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SEVERN
TRENT

STL

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ANALYTICAL REPORT

PROJECT NO. 100.58.21

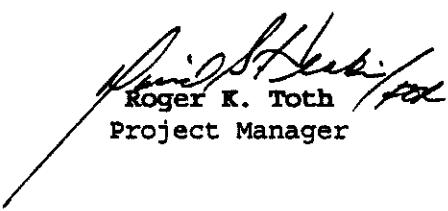
EMD OH

Lot #: A4I290236

Angela Hurley

The Payne Firm, Inc.
11231 Cornell Park Drive
Cincinnati, OH 45242

SEVERN TRENT LABORATORIES, INC.


Roger K. Toth
Project Manager

October 11, 2004

CASE NARRATIVE

CASE NARRATIVE

A4I290236

The following report contains the analytical results for eight water samples submitted to STL North Canton by The Payne Firm, Inc. from the EMD OH Site, project number 100.58.21. The samples were received September 29, 2004, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Angela Hurley and Kevin Kallini on October 06, 2004, and October 07, 2004. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Roger K. Toth, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.4°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for batch(es) 4279319 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)

Methylene chloride
Acetone
2-Butanone

Semivolatile (GC/MS)

Phthalate Esters

Metals

Copper
Iron
Zinc
Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS (Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.



STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#100439), Kansas (#E10336), Louisiana (#04112), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

***EXECUTIVE
SUMMARY***

EXECUTIVE SUMMARY - Detection Highlights

A4I290236

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
DW004/092804 09/28/04 10:15 001				
2-Butanone	0.42 J	10	ug/L	SW846 8260B
Toluene	0.20 J	1.0	ug/L	SW846 8260B
DW003/092804 09/28/04 10:47 002				
Carbon disulfide	0.52 J	1.0	ug/L	SW846 8260B
Chloromethane	0.29 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	0.40 J	1.0	ug/L	SW846 8260B
DW002/092804 09/28/04 11:35 003				
Benzene	0.24 J	1.0	ug/L	SW846 8260B
Carbon disulfide	0.73 J	1.0	ug/L	SW846 8260B
Chloromethane	0.25 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	0.24 J	1.0	ug/L	SW846 8260B
Toluene	0.30 J	1.0	ug/L	SW846 8260B
DW001/092804 09/28/04 11:42 004				
Acetone	0.93 J	10	ug/L	SW846 8260B
2-Butanone	0.44 J	10	ug/L	SW846 8260B
Carbon disulfide	0.79 J	1.0	ug/L	SW846 8260B
WRPZ05/092804 09/28/04 09:55 005				
Carbon disulfide	1.4	1.0	ug/L	SW846 8260B
1,4-Dioxane	52	50	ug/L	SW846 8260B
WRPZ10/092804 09/28/04 10:25 006				
Acetone	1.3 J	10	ug/L	SW846 8260B
Acetonitrile	3.0 J	20	ug/L	SW846 8260B
2-Butanone	0.41 J	10	ug/L	SW846 8260B
Chloromethane	0.17 J	1.0	ug/L	SW846 8260B
WRPZ15/092804 09/28/04 10:41 007				
Acetone	1.5 J	10	ug/L	SW846 8260B
Acetonitrile	2.5 J	20	ug/L	SW846 8260B
Chloromethane	0.22 J	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4I290236

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
WRPZ20/092804 09/28/04 10:56 008				
Acetonitrile	2.8 J	20	ug/L	SW846 8260B
Chloromethane	0.16 J	1.0	ug/L	SW846 8260B

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4I290236

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SAMPLE SUMMARY

A4I290236

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GRD80	001	DW004/092804	09/28/04	10:15
GRD9A	002	DW003/092804	09/28/04	10:47
GRD9F	003	DW002/092804	09/28/04	11:35
GRD9H	004	DW001/092804	09/28/04	11:42
GRD9M	005	WRPZ05/092804	09/28/04	09:55
GRD9V	006	WRPZ10/092804	09/28/04	10:25
GRD92	007	WRPZ15/092804	09/28/04	10:41
GRD97	008	WRPZ20/092804	09/28/04	10:56

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

***SHIPPING
AND
RECEIVING DOCUMENTS***

RSR280

Client:

5670

Lot #:

A41290236

Case Number/SDG:

100.58.21

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GRD80	BURNST	9/29/04	Yes		Storage	
GRD9A	BURNST	9/29/04	Yes		Storage	
GRD9F	BURNST	9/29/04	Yes		Storage	
GRD9H	BURNST	9/29/04	Yes		Storage	
GRD9M	BURNST	9/29/04	Yes		Storage	
GRD9V	BURNST	9/29/04	Yes		Storage	
GRD92	BURNST	9/29/04	Yes		Storage	
GRD97	BURNST	9/29/04	Yes		Storage	

STL Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: A4I 290236

Client: Payne Firm
 Cooler Received on: 7/29/04

Project: EMP OH
 Opened on: 7/29/04

Quote#: J.L. HZB
 by: (Signature)

FedEx Client Drop Off UPS DHL FAS Other: _____
 STL Cooler No# K632 Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler? Yes No Intact? Yes No NA
 If YES, Quantity _____
 Were the custody seals signed and dated?
 2. Shipper's packing slip attached to this form?
 3. Did custody papers accompany the samples? Yes No
 4. Did you sign the custody papers in the appropriate place?
 5. Packing material used: Bubble Wrap Foam None
 6. Cooler temperature upon receipt 3.7 °C (see back of form for multiple coolers/temp)
 METHOD: Temp Vial Coolant & Sample Against Bottles
 COOLANT: Wet Ice Blue Ice Dry Ice Water
 7. Did all bottles arrive in good condition (Unbroken)?
 8. Could all bottle labels and/or tags be reconciled with the COC?
 9. Were samples at the correct pH? (record below/on back)
 10. Were correct bottles used for the tests indicated?
 11. Were air bubbles >6 mm in any VOA vials?
 12. Sufficient quantity received to perform indicated analyses?

IR ICE/H₂O Slurry
 None
 Yes No
 Yes No
 Yes No NA
 Yes No
 Yes No NA
 Yes No

Contacted PM _____ Date: _____ by: _____ via Voice Mail Verbal Other
 Concerning: _____

✓

1. CHAIN OF CUSTODY	
The following discrepancies occurred: _____ _____ _____ _____	

2. SAMPLE CONDITION	
Sample(s) _____	were received after the recommended holding time had expired.
Sample(s) _____	were received in a broken container.

3. SAMPLE PRESERVATION	
Sample(s) _____	were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot #052804-HNO ₃ ; Sulfuric Acid Lot #011-304-H ₂ SO ₄ ; Sodium Hydroxide Lot # -082404-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH ₃ COO ₂ NNaOH
Sample(s) _____	were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)			

Client ID	pH	Date	Initials



STL

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: PAYNE FIRM INC.

Lab Code: STLCAN

SDG No: 4I29236

Lot #: A4I290236

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	94	96	98	96	00
02	DW004/092804	108	86	112	86	00
03	DW003/092804	104	89	113	84	00
04	DW002/092804	110	89	114	84	00
05	DW001/092804	111	91	116	85	00
06	WRPZ05/092804	108	93	113	88	00
07	WRPZ10/092804	110	91	116	83	00
08	WRPZ15/092804	113	92	114	84	00
09	WRPZ20/092804	111	94	112	83	00
10	METHOD BLK. GRT2J1AA	105	94	109	84	00
11	LCS GRT2J1AC	97	101	99	115	00
12	LAB MS/MSD D	101	103	100	114	00
13	LCSD GRT2J1AD	98	102	100	113	00
14	LAB MS/MSD S	103	103	102	116	00

SURROGATES

SRG01 = 1,2-Dichloroethane-d4
 SRG02 = Toluene-d8
 SRG03 = Dibromofluoromethane
 SRG04 = 4-Bromofluorobenzene

QC LIMITS

(61-128)
 (76-110)
 (73-122)
 (74-116)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: PAYNE FIRM INC.

Lab Code: STL CAN

SDG No: 4I29236

Lot #: A4J050000

WO #: GRT2J1AC

BATCH: 4279319

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.5	85	48- 123	
Bromomethane	10	6.6	66	64- 129	
Vinyl chloride	10	8.5	85	61- 120	
Chloroethane	10	10	101	66- 126	
Methylene chloride	10	9.7	97	78- 118	
Acetone	10	7.9	79	22- 200	
Carbon disulfide	10	10	104	73- 139	
1,1-Dichloroethene	10	10	102	63- 130	
1,1-Dichloroethane	10	9.7	97	86- 123	
1,2-Dichloroethene (total)	20	19	93	82- 116	
Chloroform	10	9.1	91	84- 128	
1,2-Dichloroethane	10	9.2	92	79- 136	
2-Butanone	10	7.4	74	28- 237	
1,1,1-Trichloroethane	10	7.8	78	78- 140	
Carbon tetrachloride	10	8.7	87	75- 149	
Bromodichloromethane	10	9.1	91	87- 130	
1,2-Dichloropropane	10	9.4	94	82- 115	
cis-1,3-Dichloropropene	10	8.6	86	84- 130	
Trichloroethene	10	9.2	92	75- 122	
Dibromochloromethane	10	9.6	96	81- 138	
1,1,2-Trichloroethane	10	10	100	83- 122	
Benzene	10	9.5	95	80- 116	
trans-1,3-Dichloropropene	10	8.4	84	84- 130	
Bromoform	10	10	100	76- 150	
4-Methyl-2-pentanone	10	8.6	86	78- 141	
2-Hexanone	10	8.0	80	35- 200	
Tetrachloroethene	10	9.4	94	88- 113	
1,1,2,2-Tetrachloroethane	10	11	111	85- 118	
Toluene	10	9.5	95	74- 119	
Chlorobenzene	10	10	101	76- 117	
Ethylbenzene	10	9.4	94	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: PAYNE FIRM INC.

Lab Code: STLCAN

SDG No: 4I29236

Lot #: A4J050000

WO #: GRT2J1AC

BATCH: 4279319

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	10	104	85- 117	
Xylenes (total)	30	31	102	87- 116	
cis-1,2-Dichloroethene	10	9.1	91	85- 113	
trans-1,2-Dichloroethene	10	9.5	95	79- 120	
Dichlorodifluoromethane	10	9.0	90	70- 130	
Trichlorofluoromethane	10	7.4	74	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	12	115	70- 130	
Methyl acetate	10	9.3	93	70- 130	
Methyl tert-butyl ether (	10	8.0	80	70- 130	
Cyclohexane	10	9.2	92	70- 130	
Methylcyclohexane	10	8.2	82	70- 130	
1,2-Dibromoethane	10	10	101	70- 130	
Isopropylbenzene	10	11	105	70- 130	
1,3-Dichlorobenzene	10	9.5	95	70- 130	
1,4-Dichlorobenzene	10	10	102	70- 130	
1,2-Dichlorobenzene	10	9.3	93	70- 130	
1,2-Dibromo-3-chloropropa	10	7.0	70	70- 130	
1,2,4-Trichlorobenzene	10	3.6	36*	70- 130	a

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 49 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: PAYNE FIRM INC.

Lab Code: STLCAN

SDG No: 4I29236

Lot #: A4J050000

WO #: GRT2J1AD

BATCH: 4279319

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.8	88	48- 123	
Bromomethane	10	7.6	76	64- 129	
Vinyl chloride	10	9.0	90	61- 120	
Chloroethane	10	11	106	66- 126	
Methylene chloride	10	10	100	78- 118	
Acetone	10	8.3	83	22- 200	
Carbon disulfide	10	11	111	73- 139	
1,1-Dichloroethene	10	10	104	63- 130	
1,1-Dichloroethane	10	9.5	95	86- 123	
1,2-Dichloroethene (total)	20	19	94	82- 116	
Chloroform	10	9.1	91	84- 128	
1,2-Dichloroethane	10	9.4	94	79- 136	
2-Butanone	10	8.0	80	28- 237	
1,1,1-Trichloroethane	10	7.7	77*	78- 140	a
Carbon tetrachloride	10	8.6	86	75- 149	
Bromodichloromethane	10	9.3	93	87- 130	
1,2-Dichloropropane	10	9.6	96	82- 115	
cis-1,3-Dichloropropene	10	8.6	86	84- 130	
Trichloroethene	10	9.0	90	75- 122	
Dibromochloromethane	10	10	100	81- 138	
1,1,2-Trichloroethane	10	10	103	83- 122	
Benzene	10	9.5	95	80- 116	
trans-1,3-Dichloropropene	10	8.6	86	84- 130	
Bromoform	10	10	102	76- 150	
4-Methyl-2-pentanone	10	8.9	89	78- 141	
2-Hexanone	10	8.7	87	35- 200	
Tetrachloroethene	10	9.7	97	88- 113	
1,1,2,2-Tetrachloroethane	10	12	117	85- 118	
Toluene	10	9.9	99	74- 119	
Chlorobenzene	10	9.9	99	76- 117	
Ethylbenzene	10	9.5	95	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN

SDG No: 4I29236

Lot #: A4J050000

WO #: GRT2J1AD

BATCH: 4279319

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	10	103	85- 117	
Xylenes (total)	30	30	101	87- 116	
cis-1,2-Dichloroethene	10	9.1	91	85- 113	
trans-1,2-Dichloroethene	10	9.6	96	79- 120	
Dichlorodifluoromethane	10	9.4	94	70- 130	
Trichlorofluoromethane	10	8.2	82	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	12	125	70- 130	
Methyl acetate	10	9.7	97	70- 130	
Methyl tert-butyl ether (	10	8.5	85	70- 130	
Cyclohexane	10	9.3	93	70- 130	
Methylcyclohexane	10	8.7	87	70- 130	
1,2-Dibromoethane	10	10	101	70- 130	
Isopropylbenzene	10	11	105	70- 130	
1,3-Dichlorobenzene	10	9.5	95	70- 130	
1,4-Dichlorobenzene	10	10	102	70- 130	
1,2-Dichlorobenzene	10	9.6	96	70- 130	
1,2-Dibromo-3-chloropropane	10	8.5	85	70- 130	
1,2,4-Trichlorobenzene	10	5.0	50*	70- 130	a p

NOTES (S) :

-
- a Spiked analyte recovery is outside stated control limits.
 p Relative percent difference (RPD) is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 2 out of 49 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: PAYNE FIRM INC.

Lab Code: STLCAN

SDG No: 4I29236

Matrix Spike ID: LAB MS/MSD

Lot #: A4I240199

WO #: GQ3DG1C3

BATCH: 4279319

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	170	ND	180	108	62- 130	
Chloromethane	170	ND	160	96	40- 137	
Bromomethane	170	ND	94	57	55- 145	
Vinyl chloride	170	ND	130	77*	88- 126	a
Chloroethane	170	ND	190	114	59- 142	
Methylene chloride	170	ND	180	108	82- 115	
Acetone	170	ND	120	73	45- 128	
Carbon disulfide	170	ND	200	121	69- 138	
1,1-Dichloroethane	170	ND	160	99	88- 127	
1,2-Dichloroethene (total)	330	ND	340	102	86- 115	
Chloroform	170	ND	160	98	83- 141	
1,2-Dichloroethane	170	ND	170	104	71- 160	
2-Butanone	170	ND	130	80	71- 123	
1,1,1-Trichloroethane	170	ND	130	81	71- 162	
Carbon tetrachloride	170	ND	150	92	63- 176	
Bromodichloromethane	170	ND	150	92	80- 146	
1,2-Dichloropropane	170	ND	160	99	87- 114	
cis-1,3-Dichloropropene	170	ND	130	81*	82- 130	a
Trichloroethene	170	ND	160	96	62- 130	
Dibromochloromethane	170	ND	160	97	71- 158	
1,1,2-Trichloroethane	170	ND	180	111	86- 129	
Benzene	170	440	590	92	78- 118	
trans-1,3-Dichloropropene	170	ND	140	82	73- 147	
Bromoform	170	ND	160	95	58- 176	
4-Methyl-2-pentanone	170	ND	150	90	82- 135	
2-Hexanone	170	ND	150	87	81- 128	
Tetrachloroethene	170	ND	180	108	85- 121	
1,1,2,2-Tetrachloroethane	170	ND	200	119*	88- 116	a

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: PAYNE FIRM INC.

Lab Code: STLCAN

SDG No: 4I29236

Matrix Spike ID: LAB MS/MSD

Lot #: A4I240199

WO #: GQ3DG1C3

BATCH: 4279319

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	170	14	190	104	70 - 119	
Chlorobenzene	170	ND	180	107	76 - 117	
Ethylbenzene	170	45	230	111	86 - 132	
Styrene	170	ND	190	111	83 - 120	
Xylenes (total)	500	98	670	115	89 - 121	
cis-1,2-Dichloroethene	170	ND	170	100	87 - 114	
trans-1,2-Dichloroethene	170	ND	170	103	85 - 116	
Dichlorodifluoromethane	170	ND	170	103	70 - 130	
Trichlorofluoromethane	170	ND	140	85	70 - 130	
1,1,2-Trichloro-1,2,2-tri	170	ND	220	133*	70 - 130	a
Methyl acetate	170	ND	160	93	70 - 130	
Methyl tert-butyl ether (	170	ND	130	78	70 - 130	
Cyclohexane	170	21	190	99	70 - 130	
Methylcyclohexane	170	15	170	95	70 - 130	
1,2-Dibromoethane	170	ND	180	107	70 - 130	
Isopropylbenzene	170	3.7	190	115	70 - 130	
1,3-Dichlorobenzene	170	ND	160	98	70 - 130	
1,4-Dichlorobenzene	170	ND	170	102	70 - 130	
1,2-Dichlorobenzene	170	ND	160	99	70 - 130	
1,2-Dibromo-3-chloropropane	170	ND	140	85	70 - 130	
1,2,4-Trichlorobenzene	170	ND	100	61*	70 - 130	a

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: ____ 0 out of ____ 0 outside limits

Spike Recovery: ____ 5 out of ____ 49 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: PAYNE FIRM INC.

Lab Code: STLCAN

SDG No: 4I29236

Matrix Spike ID: LAB MS/MSD

Lot #: A4I240199

WO #: GQ3DG1C4

BATCH: 4279319

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC RPD		QC LIMITS RPD REC		QUAL
			%	RPD			
1,1-Dichloroethene	170	180	106	1.5	20	62- 130	
Chloromethane	170	170	99	3.5	39	40- 137	
Bromomethane	170	110	66	15	30	55- 145	
Vinyl chloride	170	130	79*	2.4	30	88- 126	a
Chloroethane	170	190	115	0.84	30	59- 142	
Methylene chloride	170	180	109	0.83	30	82- 115	
Acetone	170	120	70	4.4	30	45- 128	
Carbon disulfide	170	200	119	1.4	41	69- 138	
1,1-Dichloroethane	170	160	98	0.94	30	88- 127	
1,2-Dichloroethene (total)	330	320	96	5.5	30	86- 115	
Chloroform	170	160	94	3.3	30	83- 141	
1,2-Dichloroethane	170	160	99	4.8	30	71- 160	
2-Butanone	170	140	85	5.6	30	71- 123	
1,1,1-Trichloroethane	170	130	79	2.4	30	71- 162	
Carbon tetrachloride	170	150	90	3.2	30	63- 176	
Bromodichloromethane	170	150	90	1.6	30	80- 146	
1,2-Dichloropropane	170	160	98	0.78	30	87- 114	
cis-1,3-Dichloropropene	170	130	80*	0.76	30	82- 130	a
Trichloroethene	170	160	93	2.9	20	62- 130	
Dibromochloromethane	170	160	95	1.8	30	71- 158	
1,1,2-Trichloroethane	170	180	106	4.7	30	86- 129	
Benzene	170	540	64*	8.2	20	78- 118	a
trans-1,3-Dichloropropene	170	140	83	0.15	30	73- 147	
Bromoform	170	160	96	0.93	30	58- 176	
4-Methyl-2-pentanone	170	150	90	0.040	30	82- 135	
2-Hexanone	170	150	89	1.6	30	81- 128	
Tetrachloroethene	170	180	105	2.6	30	85- 121	
1,1,2,2-Tetrachloroethane	170	190	114	4.6	30	88- 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: PAYNE FIRM INC.

Lab Code: STLCAN

SDG No: 4I29236

Matrix Spike ID: LAB MS/MSD

Lot #: A4I240199

WO #: GQ3DG1C4

BATCH: 4279319

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD		QC LIMITS		QUAL
			% REC	% RPD	RPD	REC	
Toluene	170	180	101	2.6	-	20	70- 119
Chlorobenzene	170	170	101	5.2	-	20	76- 117
Ethylbenzene	170	220	103	5.6	-	30	86- 132
Styrene	170	180	107	3.7	-	30	83- 120
Xylenes (total)	500	640	108	5.1	-	30	89- 121
cis-1,2-Dichloroethene	170	160	95	5.2	-	30	87- 114
trans-1,2-Dichloroethene	170	160	97	5.8	-	30	85- 116
Dichlorodifluoromethane	170	170	103	0.030	-	30	70- 130
Trichlorofluoromethane	170	140	86	1.6	-	30	70- 130
1,1,2-Trichloro-1,2,2-tri	170	220	130	1.9	-	30	70- 130
Methyl acetate	170	150	91	2.0	-	30	70- 130
Methyl tert-butyl ether (	170	130	77	1.8	-	30	70- 130
Cyclohexane	170	190	103	3.5	-	30	70- 130
Methylcyclohexane	170	160	89	6.1	-	30	70- 130
1,2-Dibromoethane	170	170	103	3.9	-	30	70- 130
Isopropylbenzene	170	190	111	3.0	-	30	70- 130
1,3-Dichlorobenzene	170	160	97	0.85	-	30	70- 130
1,4-Dichlorobenzene	170	170	103	0.21	-	30	70- 130
1,2-Dichlorobenzene	170	160	98	0.74	-	30	70- 130
1,2-Dibromo-3-chloropropane	170	140	84	1.2	-	30	70- 130
1,2,4-Trichlorobenzene	170	110	66*	7.6	-	30	70- 130 a

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: ____ 0 out of ____ 49 outside limits

Spike Recovery: ____ 4 out of ____ 49 outside limits

COMMENTS:

BLANK WORKORDER NO.

SW846 8260B METHOD BLANK SUMMARY

GRT2J1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number: 4I29236

Lab File ID: UXJ24395.

Lot Number: A4I290236

Date Analyzed: 10/05/04

Time Analyzed: 09:43

Matrix: WATER

Date Extracted: 10/05/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX11

Level: (low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	GQ3DG1AM	UXJ24400.	10/05/04	11:37
02	LAB MS/MSD	GQ3DG1C3 S	UXJ24413.	10/05/04	16:36
03	LAB MS/MSD	GQ3DG1C4 D	UXJ24414.	10/05/04	16:59
04	DW004/092804	GRD801AA	UXJ24405.	10/05/04	13:32
05	DW003/092804	GRD9A1AA	UXJ24406.	10/05/04	13:55
06	DW002/092804	GRD9F1AA	UXJ24407.	10/05/04	14:17
07	DW001/092804	GRD9H1AA	UXJ24408.	10/05/04	14:40
08	WRPZ05/092804	GRD9M1AA	UXJ24409.	10/05/04	15:04
09	WRPZ10/092804	GRD9V1AA	UXJ24410.	10/05/04	15:27
10	WRPZ15/092804	GRD921AA	UXJ24411.	10/05/04	15:50
11	WRPZ20/092804	GRD971AA	UXJ24412.	10/05/04	16:13
12	CHECK SAMPLE	GRT2J1AC C	UXJ24393.	10/05/04	08:57
13	DUPLICATE CHECK	GRT2J1AD L	UXJ24394.	10/05/04	09:20
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: STLCAN Case No.:

SAS No.: SDG No.: 4I29236

Lab File ID: BFB207

BFB Injection Date: 08/16/04

Instrument ID: A3UX11

BFB Injection Time: 1309

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	44.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 100.0% of mass 95	81.3
175	5.0 - 9.0% of mass 174	6.1 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	78.9 (97.1)1
177	5.0 - 9.0% of mass 176	5.0 (6.4)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 VSTD040	200NG-A9IC	UXJ23209	08/16/04	1618
02 VSTD020	100NG-A9IC	UXJ23210	08/16/04	1640
03 VSTD010	50NG-A9IC	UXJ23211	08/16/04	1703
04 VSTD005	25NG-A9IC	UXJ23212	08/16/04	1726
05 VSTD002	10NG-A9IC	UXJ23213	08/16/04	1748
06 VSTD001	5NG-A9IC	UXJ23214	08/16/04	1811
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5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: STLCAN Case No.:

SAS No.:

SDG No.: 4I29236

Lab File ID: BFB232

BFB Injection Date: 09/14/04

Instrument ID: A3UX11

BFB Injection Time: 1321

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.6 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.5 (99.9)1
177	5.0 - 9.0% of mass 176	5.2 (6.9)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 VSTD040	200NG-IC	UXJ23870	09/14/04	1348
02 VSTD020	100NG-IC	UXJ23871	09/14/04	1410
03 VSTD010	50NG-IC	UXJ23872	09/14/04	1433
04 VSTD005	25NG-IC	UXJ23873	09/14/04	1457
05 VSTD002	10NG-IC	UXJ23874	09/14/04	1519
06 VSTD001	5NG-IC	UXJ23875	09/14/04	1541
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22				

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: STLCAN Case No.:

SAS No.: SDG No.: 4I29236

Lab File ID: BFB250

BFB Injection Date: 10/05/04

Instrument ID: A3UX11

BFB Injection Time: 0749

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	5.2 (7.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	71.4 (96.1)1
177	5.0 - 9.0% of mass 176	4.5 (6.4)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 VSTD010	50NG-CC	UXJ24391	10/05/04	0811
02 VSTD010	50NG-A9CC	UXJ24392	10/05/04	0834
03 GRT2J-CHK	GRT2J1AC	UXJ24393	10/05/04	0857
04 GRT2J-CKDUP	GRT2J1AD	UXJ24394	10/05/04	0920
05 GRT2J-BLK	GRT2J1AA	UXJ24395	10/05/04	0943
06 DW004/092804	GRD801AA	UXJ24405	10/05/04	1332
07 DW003/092804	GRD9A1AA	UXJ24406	10/05/04	1355
08 DW002/092804	GRD9F1AA	UXJ24407	10/05/04	1417
09 DW001/092804	GRD9H1AA	UXJ24408	10/05/04	1440
10 WRPZ05/09280	GRD9M1AA	UXJ24409	10/05/04	1504
11 WRPZ10/09280	GRD9V1AA	UXJ24410	10/05/04	1527
12 WRPZ15/09280	GRD921AA	UXJ24411	10/05/04	1550
13 WRPZ15/09280	GRD971AA	UXJ24412	10/05/04	1613
14				
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17				
18				
19				
20				
21				
22				

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: STLCAN Case No.:

SAS No.:

SDG No.: 4I29236

Lab File ID (Standard): UXJ24391

Date Analyzed: 10/05/04

Instrument ID: A3UX11

Time Analyzed: 0811

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

	IS1(CBZ) AREA #	RT	IS2 AREA #	RT	IS3(DCB) AREA #	RT
12 HOUR STD	1746307	7.67	2373748	5.04	985916	9.90
UPPER LIMIT	3492614	8.17	4747496	5.54	1971832	10.40
LOWER LIMIT	873154	7.17	1186874	4.54	492958	9.40
EPA SAMPLE NO.						
01 GRT2J-CHK	1746967	7.68	2273904	5.04	943654	9.90
02 GRT2J-CKDUP	1738676	7.68	2279731	5.04	961905	9.90
03 GRT2J-BLK	1569404	7.68	2035416	5.04	658786	9.90
04 DW004/092804	1694512	7.68	1953570	5.04	776997	9.90
05 DW003/092804	1625238	7.68	1970244	5.04	735503	9.90
06 DW002/092804	1643341	7.68	1952402	5.04	705564	9.90
07 DW001/092804	1540777	7.68	1849863	5.04	694346	9.90
08 WRPZ05/09280	1517251	7.68	1869351	5.04	671517	9.90
09 WRPZ10/09280	1555291	7.68	1912218	5.04	687019	9.90
10 WRPZ15/09280	1533205	7.68	1865988	5.04	665216	9.90
11 WRPZ15/09280	1536995	7.68	1942659	5.04	677772	9.90
12						
13						
14						
15						
16						
17						
18						
19						
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21						
22						

IS1 (CBZ) = Chlorobenzene-d5

IS2 = Fluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100%

of internal standard area.

LOWER LIMIT = - 50%

of internal standard area.

Column used to flag internal standard area values with an asterisk.

page 1 of 1

FORM VIII VOA

1/87 Rev.



SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: DW004/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-001 Work Order #....: GRD801AA Matrix.....: WG
 Date Sampled....: 09/28/04 10:15 Date Received...: 09/29/04
 Prep Date.....: 10/05/04 Analysis Date...: 10/05/04
 Prep Batch #....: 4279319
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	0.42 J	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DW004/092804

GC/MS Volatiles

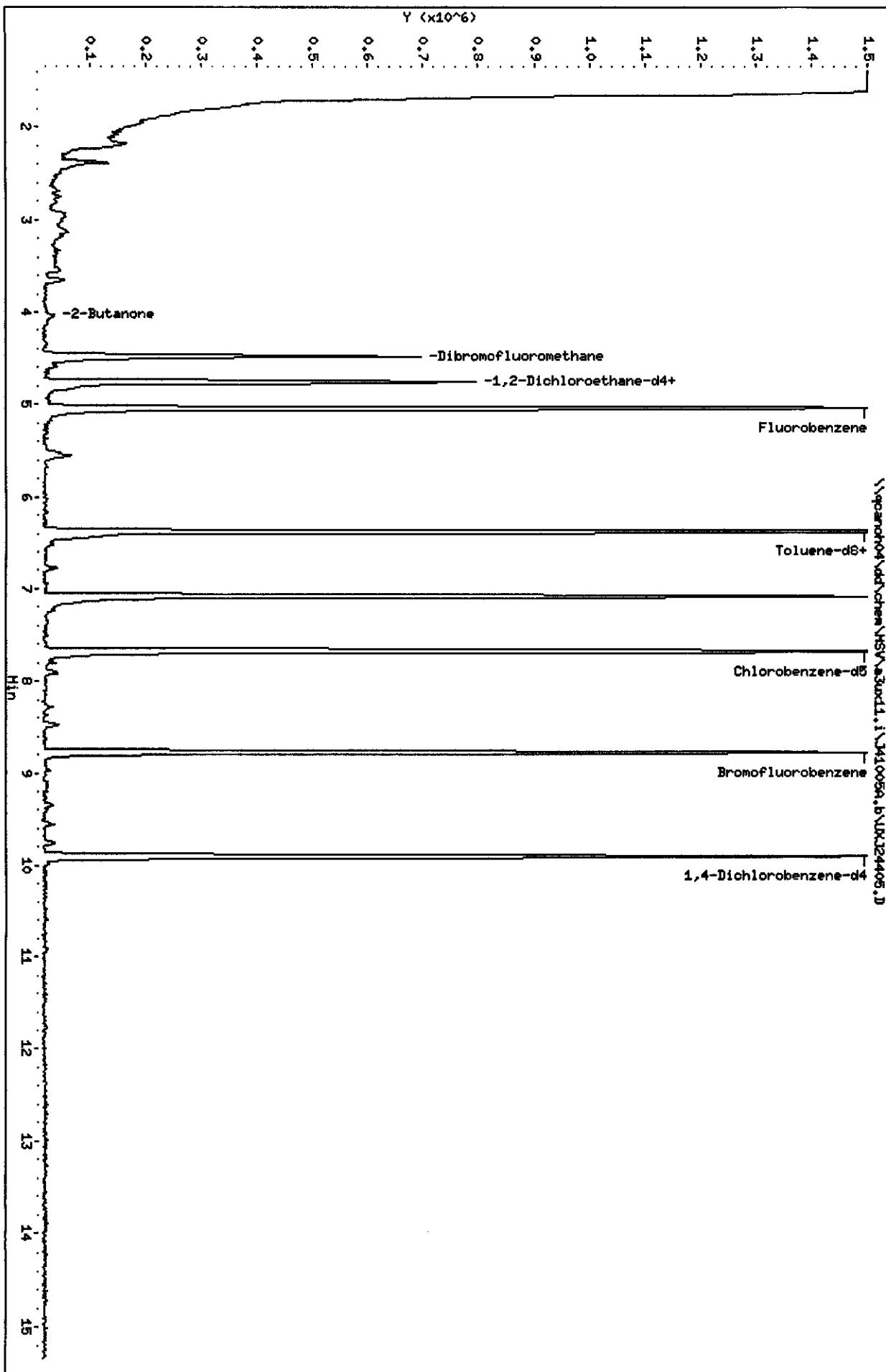
Lot-Sample #....: A4I290236-001 Work Order #....: GRD801AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	0.20 J	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	86	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24405.D
Lab Smp Id: GRD801AA Client Smp ID: DW004/092804
Inj Date : 05-OCT-2004 13:32
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GRD801AA, 5ML/5ML
Misc Info : J41005A, 8260LLUX11,, 43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
* 1 Fluorobenzene	96	5.041	5.041 (1.000)	1953570	50.0000			
* 2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1694512	50.0000			
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	776997	50.0000			
\$ 4 Dibromofluoromethane	113	4.485	4.485 (0.890)	507167	55.7596	11.152		
\$ 5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	674034	53.8918	10.778		
\$ 6 Toluene-d8	98	6.378	6.378 (0.831)	1750052	42.9894	8.598		
\$ 7 Bromofluorobenzene	95	8.780	8.780 (1.143)	741078	42.8446	8.569		
8 Dichlorodifluoromethane	85		Compound Not Detected.					
9 Chloromethane	50		Compound Not Detected.					
10 Vinyl Chloride	62		Compound Not Detected.					
11 Bromomethane	94		Compound Not Detected.					
12 Chloroethane	64		Compound Not Detected.					
13 Trichlorofluoromethane	101		Compound Not Detected.					
15 Acrolein	56		Compound Not Detected.					
16 Acetone	43		Compound Not Detected.					
17 1,1-Dichloroethene	96		Compound Not Detected.					
18 Freon-113	151		Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24405.D
 Report Date: 06-Oct-2004 10:32

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
19 Iodomethane	====	142				Compound Not Detected.	
20 Carbon Disulfide		76				Compound Not Detected.	
21 Methylene Chloride		84				Compound Not Detected.	
22 Acetonitrile		41				Compound Not Detected.	
23 Acrylonitrile		53				Compound Not Detected.	
24 Methyl tert-butyl ether		73				Compound Not Detected.	
25 trans-1,2-Dichloroethene		96				Compound Not Detected.	
26 Hexane		86				Compound Not Detected.	
27 Vinyl acetate		43				Compound Not Detected.	
28 1,1-Dichloroethane		63				Compound Not Detected.	
29 tert-Butyl Alcohol		59				Compound Not Detected.	
30 2-Butanone		43	4.094	4.094 (0.812)		11162	2.08604 0.4172
M 31 1,2-Dichloroethene (total)		96				Compound Not Detected.	
32 cis-1,2-dichloroethene		96				Compound Not Detected.	
33 2,2-Dichloropropane		77				Compound Not Detected.	
34 Bromochloromethane		128				Compound Not Detected.	
35 Chloroform		83				Compound Not Detected.	
36 Tetrahydrofuran		42				Compound Not Detected.	
37 1,1,1-Trichloroethane		97				Compound Not Detected.	
38 1,1-Dichloropropene		75				Compound Not Detected.	
39 Carbon Tetrachloride		117				Compound Not Detected.	
40 1,2-Dichloroethane		62				Compound Not Detected.	
41 Benzene		78	4.828	4.816 (0.958)		40247	0.89483 0.1790
42 Trichloroethene		130				Compound Not Detected.	
43 1,2-Dichloropropane		63				Compound Not Detected.	
44 1,4-Dioxane		88				Compound Not Detected.	
45 Dibromomethane		93				Compound Not Detected.	
46 Bromodichloromethane		83				Compound Not Detected.	
47 2-Chloroethyl vinyl ether		63				Compound Not Detected.	
48 cis-1,3-Dichloropropene		75				Compound Not Detected.	
49 4-Methyl-2-pentanone		43				Compound Not Detected.	
50 Toluene		91	6.437	6.437 (0.838)		50489	0.99766 0.1995
51 trans-1,3-Dichloropropene		75				Compound Not Detected.	
52 Ethyl Methacrylate		69				Compound Not Detected.	
53 1,1,2-Trichloroethane		97				Compound Not Detected.	
54 1,3-Dichloropropane		76				Compound Not Detected.	
55 Tetrachloroethene		164				Compound Not Detected.	
56 2-Hexanone		43				Compound Not Detected.	
57 Dibromochloromethane		129				Compound Not Detected.	
58 1,2-Dibromoethane		107				Compound Not Detected.	
59 Chlorobenzene		112				Compound Not Detected.	
60 1,1,1,2-Tetrachloroethane		131				Compound Not Detected.	
61 Ethylbenzene		106				Compound Not Detected.	
62 m + p-Xylene		106				Compound Not Detected.	
M 63 Xylenes (total)		106				Compound Not Detected.	
64 Xylene-o		106				Compound Not Detected.	
65 Styrene		104				Compound Not Detected.	

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
66 Bromoform	====	173	---	---	---	---	=====
67 Isopropylbenzene		105				Compound Not Detected.	
68 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
69 1,4-Dichloro-2-butene		53				Compound Not Detected.	
70 1,2,3-Trichloropropane		110				Compound Not Detected.	
71 Bromobenzene		156				Compound Not Detected.	
72 n-Propylbenzene		120				Compound Not Detected.	
73 2-Chlorotoluene		126				Compound Not Detected.	
74 1,3,5-Trimethylbenzene		105				Compound Not Detected.	
75 4-Chlorotoluene		126				Compound Not Detected.	
76 tert-Butylbenzene		119				Compound Not Detected.	
77 1,2,4-Trimethylbenzene		105				Compound Not Detected.	
78 sec-Butylbenzene		105				Compound Not Detected.	
79 4-Isopropyltoluene		119				Compound Not Detected.	
80 1,3-Dichlorobenzene		146				Compound Not Detected.	
81 1,4-Dichlorobenzene		146				Compound Not Detected.	
82 n-Butylbenzene		91				Compound Not Detected.	
83 1,2-Dichlorobenzene		146				Compound Not Detected.	
84 1,2-Dibromo-3-chloropropane		157				Compound Not Detected.	
85 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
86 Hexachlorobutadiene		225				Compound Not Detected.	
87 Naphthalene		128				Compound Not Detected.	
88 1,2,3-Trichlorobenzene		180				Compound Not Detected.	
14 Dichlorofluoromethane		67				Compound Not Detected.	
89 Ethyl Ether		59				Compound Not Detected.	
91 3-Chloropropene		76				Compound Not Detected.	
92 Isopropyl Ether		87				Compound Not Detected.	
93 2-Chloro-1,3-butadiene		53				Compound Not Detected.	
94 Propionitrile		54				Compound Not Detected.	
95 Ethyl Acetate		43				Compound Not Detected.	
96 Methacrylonitrile		41				Compound Not Detected.	
97 Isobutanol		41				Compound Not Detected.	
99 n-Butanol		56				Compound Not Detected.	
100 Methyl Methacrylate		41				Compound Not Detected.	
101 2-Nitropropane		41				Compound Not Detected.	
103 Cyclohexanone		55				Compound Not Detected.	
98 Cyclohexane		56				Compound Not Detected.	
143 Methyl Acetate		43				Compound Not Detected.	
144 Methylcyclohexane		83				Compound Not Detected.	
141 1,3,5-Trichlorobenzene		180				Compound Not Detected.	

Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24405.D

Date : 05-OCT-2004 13:32

Client ID: DW004/092804

Instrument: z3ux11.i

Sample Info: CRD801AA,5ML/5ML

Purge Volume: 5.0

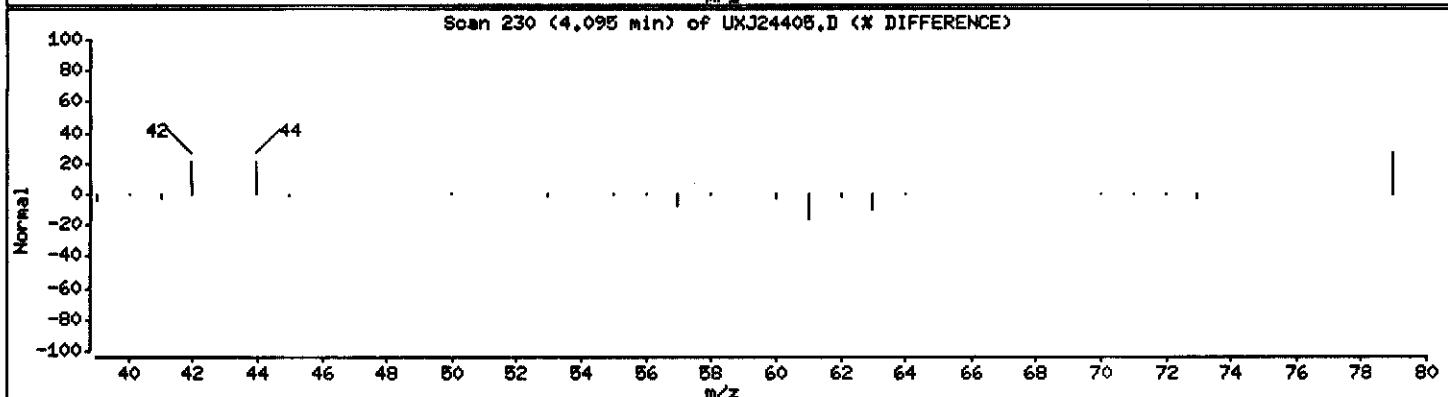
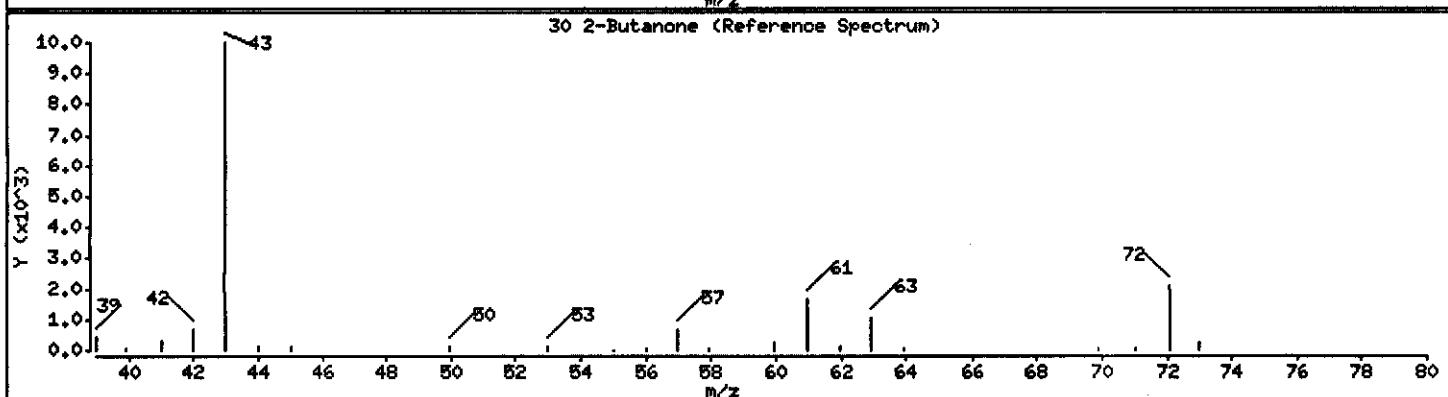
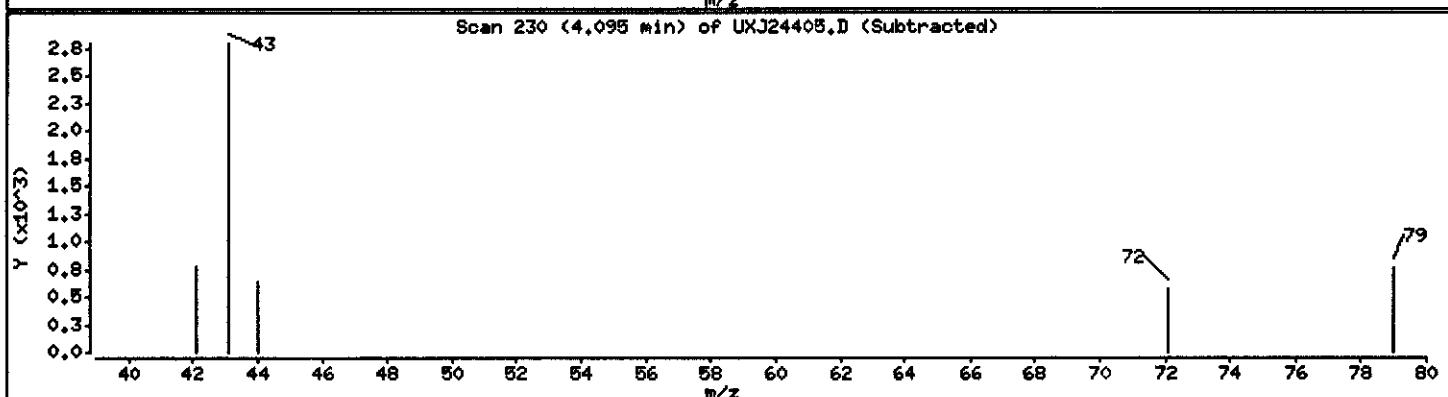
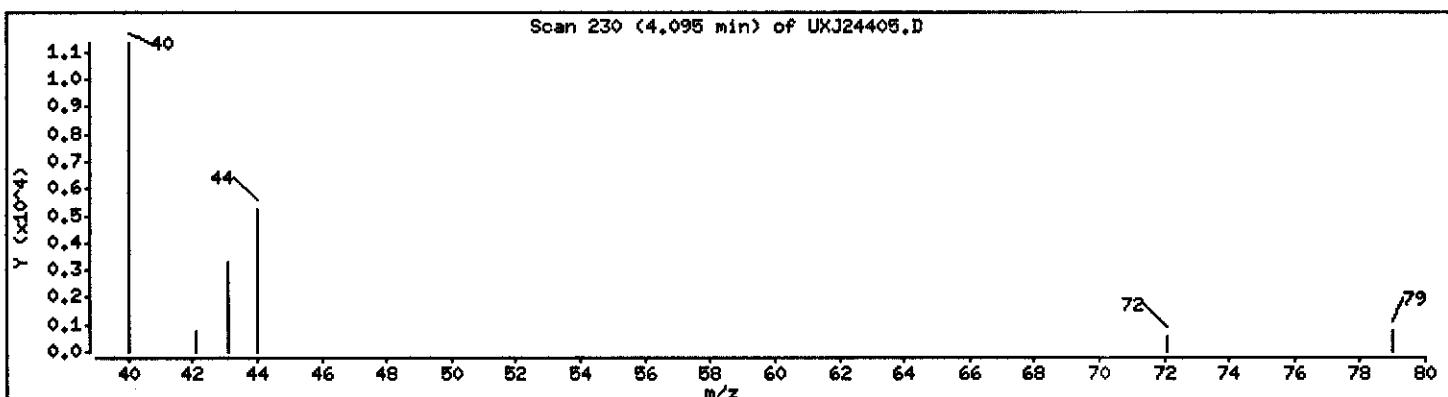
Operator: 43582

Column phase: DB624

Column diameter: 0.18

30 2-Butanone

Concentration: 0.4172 ug/L



Data File: \\qcanoh04\dd\chem\MSV\ a3ux11.i\J41005A.b\UXJ24405.D

Date : 05-OCT-2004 13:32

Client ID: DW004/092804

Instrument: a3ux11.i

Sample Info: GRD801AA,5ML/5ML

Purge Volume: 5.0

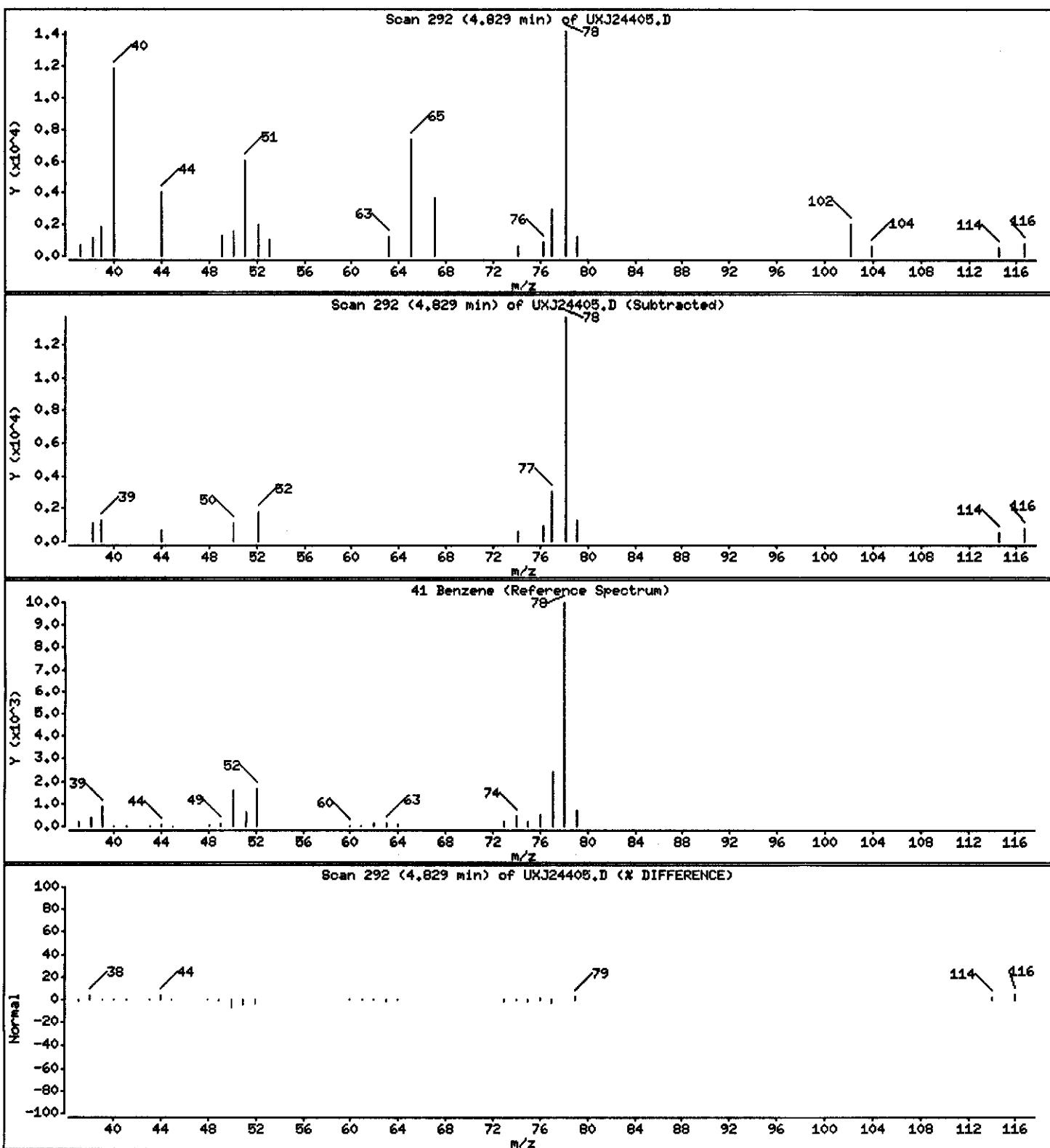
Operator: 43582

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.1790 ug/L



Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24405.D

Date : 05-OCT-2004 13:32

Client ID: DW004/092804

Instrument: z3ux11.i

Sample Info: CRD801AA,5ML/5ML

Purge Volume: 5.0

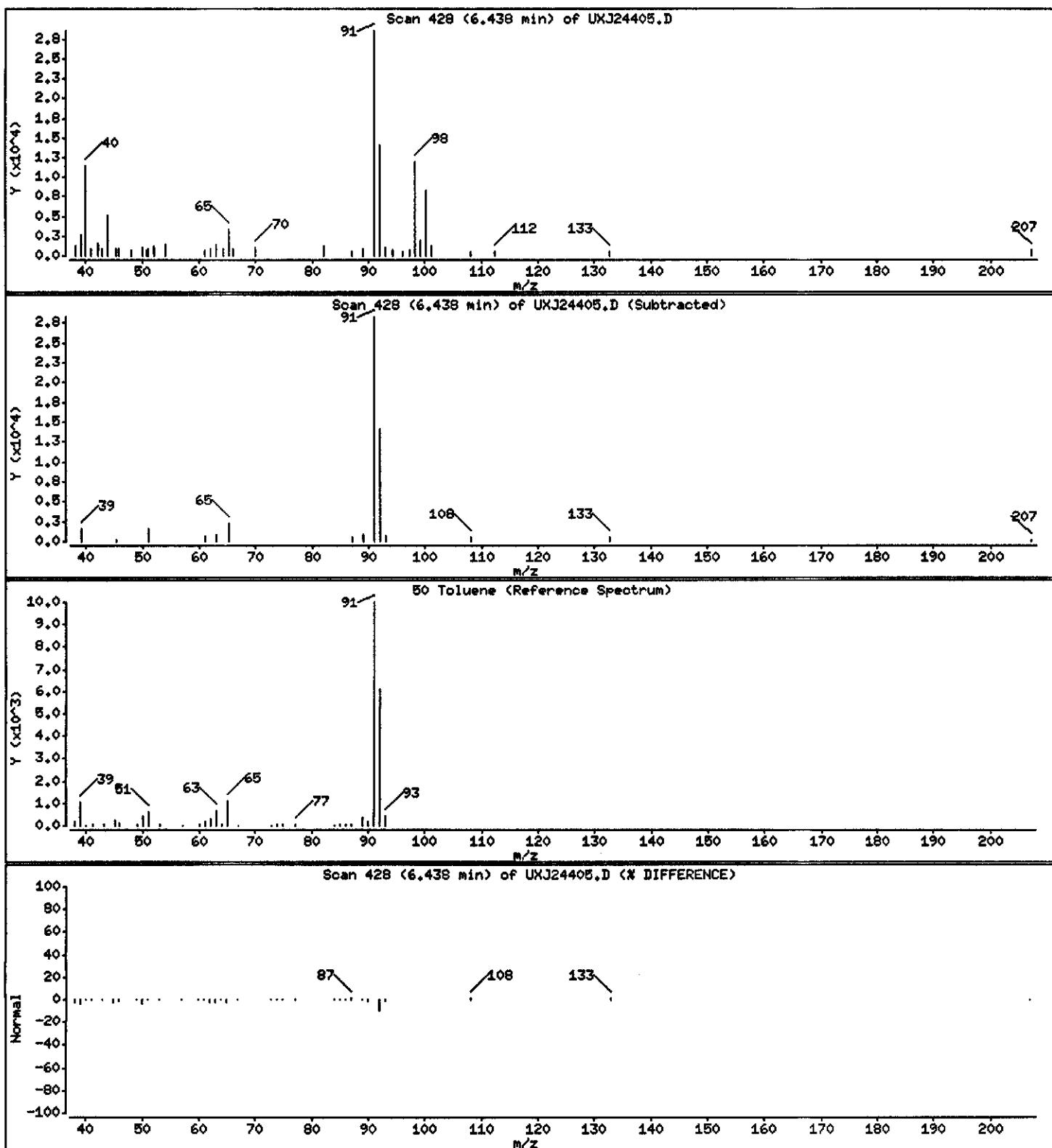
Operator: 43582

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.1995 ug/L



PAYNE FIRM INC.

Client Sample ID: DW003/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-002 Work Order #....: GRD9A1AA Matrix.....: WG
 Date Sampled....: 09/28/04 10:47 Date Received...: 09/29/04
 Prep Date.....: 10/05/04 Analysis Date...: 10/05/04
 Prep Batch #....: 4279319
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	0.52 J	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	0.29 J	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	0.40 J	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DW003/092804

GC/MS Volatiles

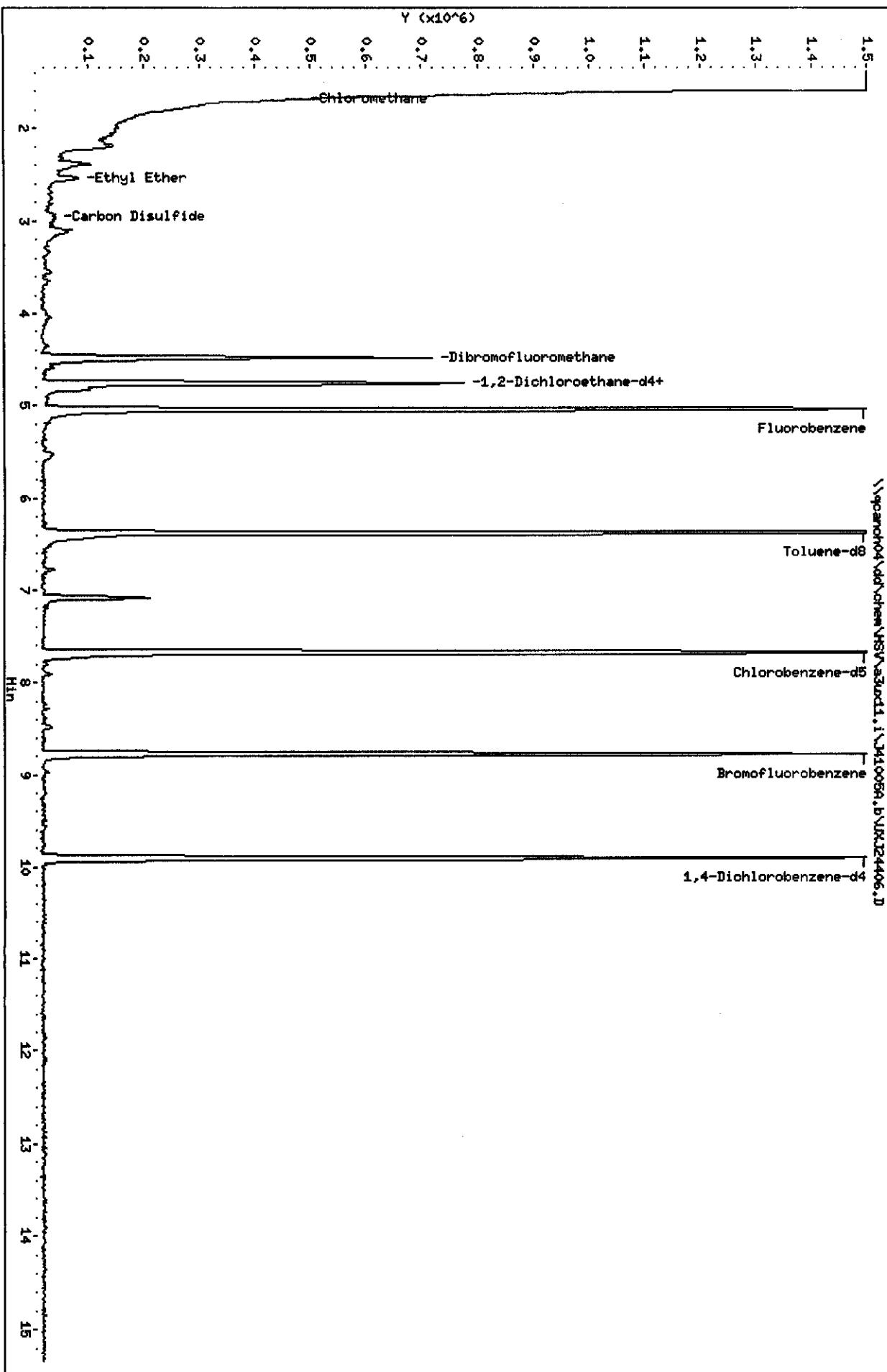
Lot-Sample #....: A4I290236-002 Work Order #....: GRD9A1AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.



Instrument: a3\\ud1.i
 Operator: 43582
 Column diameter: 0.18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24406.D
Lab Smp Id: GRD9A1AA Client Smp ID: DW003/092804
Inj Date : 05-OCT-2004 13:55
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GRD9A1AA, 5ML/5ML
Misc Info : J41005A, 8260LLUX11,, 43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
*	1 Fluorobenzene	96	5.041	5.041 (1.000)	1970244	50.0000		
*	2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1625238	50.0000		
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	735503	50.0000		
\$	4 Dibromofluoromethane	113	4.485	4.485 (0.890)	519523	56.6347	11.327	
\$	5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	657766	52.1461	10.429	
\$	6 Toluene-d8	98	6.378	6.378 (0.831)	1742509	44.6286	8.926	
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.143)	693754	41.8182	8.364	
8	Dichlorodifluoromethane	85		Compound Not Detected.				
9	Chloromethane	50	1.680	1.704 (0.333)	26757	1.45490	0.2910	
10	Vinyl Chloride	62		Compound Not Detected.				
11	Bromomethane	94		Compound Not Detected.				
12	Chloroethane	64		Compound Not Detected.				
13	Trichlorofluoromethane	101		Compound Not Detected.				
15	Acrolein	56		Compound Not Detected.				
16	Acetone	43		Compound Not Detected.				
17	1,1-Dichloroethene	96		Compound Not Detected.				
18	Freon-113	151		Compound Not Detected.				

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24406.D
 Report Date: 06-Oct-2004 10:33

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
19 Iodomethane	---	142				Compound Not Detected.	
20 Carbon Disulfide		76		2.958	2.923 (0.587)	85707	2.60405 0.5208
21 Methylene Chloride		84				Compound Not Detected.	
22 Acetonitrile		41				Compound Not Detected.	
23 Acrylonitrile		53				Compound Not Detected.	
24 Methyl tert-butyl ether		73				Compound Not Detected.	
25 trans-1,2-Dichloroethene		96				Compound Not Detected.	
26 Hexane		86				Compound Not Detected.	
27 Vinyl acetate		43				Compound Not Detected.	
28 1,1-Dichloroethane		63				Compound Not Detected.	
29 tert-Butyl Alcohol		59				Compound Not Detected.	
30 2-Butanone		43				Compound Not Detected.	
M 31 1,2-Dichloroethene (total)		96				Compound Not Detected.	
32 cis-1,2-dichloroethene		96				Compound Not Detected.	
33 2,2-Dichloropropane		77				Compound Not Detected.	
34 Bromochloromethane		128				Compound Not Detected.	
35 Chloroform		83				Compound Not Detected.	
36 Tetrahydrofuran		42				Compound Not Detected.	
37 1,1,1-Trichloroethane		97				Compound Not Detected.	
38 1,1-Dichloropropene		75				Compound Not Detected.	
39 Carbon Tetrachloride		117				Compound Not Detected.	
40 1,2-Dichloroethane		62	4.828	4.816 (0.958)		30990	1.97877 0.3958
41 Benzene		78	4.828	4.816 (0.958)		36334	0.80099 0.1602
42 Trichloroethene		130				Compound Not Detected.	
43 1,2-Dichloropropane		63				Compound Not Detected.	
44 1,4-Dioxane		88				Compound Not Detected.	
45 Dibromomethane		93				Compound Not Detected.	
46 Bromodichloromethane		83				Compound Not Detected.	
47 2-Chloroethyl vinyl ether		63				Compound Not Detected.	
48 cis-1,3-Dichloropropene		75				Compound Not Detected.	
49 4-Methyl-2-pentanone		43				Compound Not Detected.	
50 Toluene		91				Compound Not Detected.	
51 trans-1,3-Dichloropropene		75				Compound Not Detected.	
52 Ethyl Methacrylate		69				Compound Not Detected.	
53 1,1,2-Trichloroethane		97				Compound Not Detected.	
54 1,3-Dichloropropane		76				Compound Not Detected.	
55 Tetrachloroethene		164				Compound Not Detected.	
56 2-Hexanone		43				Compound Not Detected.	
57 Dibromochloromethane		129				Compound Not Detected.	
58 1,2-Dibromoethane		107				Compound Not Detected.	
59 Chlorobenzene		112				Compound Not Detected.	
60 1,1,1,2-Tetrachloroethane		131				Compound Not Detected.	
61 Ethylbenzene		106				Compound Not Detected.	
62 m + p-Xylene		106				Compound Not Detected.	
M 63 Xylenes (total)		106				Compound Not Detected.	
64 Xylene-o		106				Compound Not Detected.	
65 Styrene		104				Compound Not Detected.	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24406.D
 Report Date: 06-Oct-2004 10:33

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
66 Bromoform	====	173	==	=====	=====	=====	=====
67 Isopropylbenzene		105				Compound Not Detected.	
68 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
69 1,4-Dichloro-2-butene		53				Compound Not Detected.	
70 1,2,3-Trichloropropane		110				Compound Not Detected.	
71 Bromobenzene		156				Compound Not Detected.	
72 n-Propylbenzene		120				Compound Not Detected.	
73 2-Chlorotoluene		126				Compound Not Detected.	
74 1,3,5-Trimethylbenzene		105				Compound Not Detected.	
75 4-Chlorotoluene		126				Compound Not Detected.	
76 tert-Butylbenzene		119				Compound Not Detected.	
77 1,2,4-Trimethylbenzene		105				Compound Not Detected.	
78 sec-Butylbenzene		105				Compound Not Detected.	
79 4-Isopropyltoluene		119				Compound Not Detected.	
80 1,3-Dichlorobenzene		146				Compound Not Detected.	
81 1,4-Dichlorobenzene		146				Compound Not Detected.	
82 n-Butylbenzene		91				Compound Not Detected.	
83 1,2-Dichlorobenzene		146				Compound Not Detected.	
84 1,2-Dibromo-3-chloropropane		157				Compound Not Detected.	
85 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
86 Hexachlorobutadiene		225				Compound Not Detected.	
87 Naphthalene		128				Compound Not Detected.	
88 1,2,3-Trichlorobenzene		180				Compound Not Detected.	
14 Dichlorofluoromethane		67				Compound Not Detected.	
89 Ethyl Ether	59	2.544	2.532 (0.505)			43540	4.48173 0.8963
91 3-Chloropropene		76				Compound Not Detected.	
92 Isopropyl Ether		87				Compound Not Detected.	
93 2-Chloro-1,3-butadiene		53				Compound Not Detected.	
94 Propionitrile		54				Compound Not Detected.	
95 Ethyl Acetate		43				Compound Not Detected.	
96 Methacrylonitrile		41				Compound Not Detected.	
97 Isobutanol		41				Compound Not Detected.	
99 n-Butanol		56				Compound Not Detected.	
100 Methyl Methacrylate		41				Compound Not Detected.	
101 2-Nitropropane		41				Compound Not Detected.	
103 Cyclohexanone		55				Compound Not Detected.	
98 Cyclohexane		56				Compound Not Detected.	
143 Methyl Acetate		43				Compound Not Detected.	
144 Methylcyclohexane		83				Compound Not Detected.	
141 1,3,5-Trichlorobenzene		180				Compound Not Detected.	

Data File: \\qcanch04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24406.D

Date : 05-OCT-2004 13:55

Client ID: DW003/092804

Instrument: z3ux11.i

Sample Info: GRD9A1AA,5ML/5ML

Purge Volume: 5.0

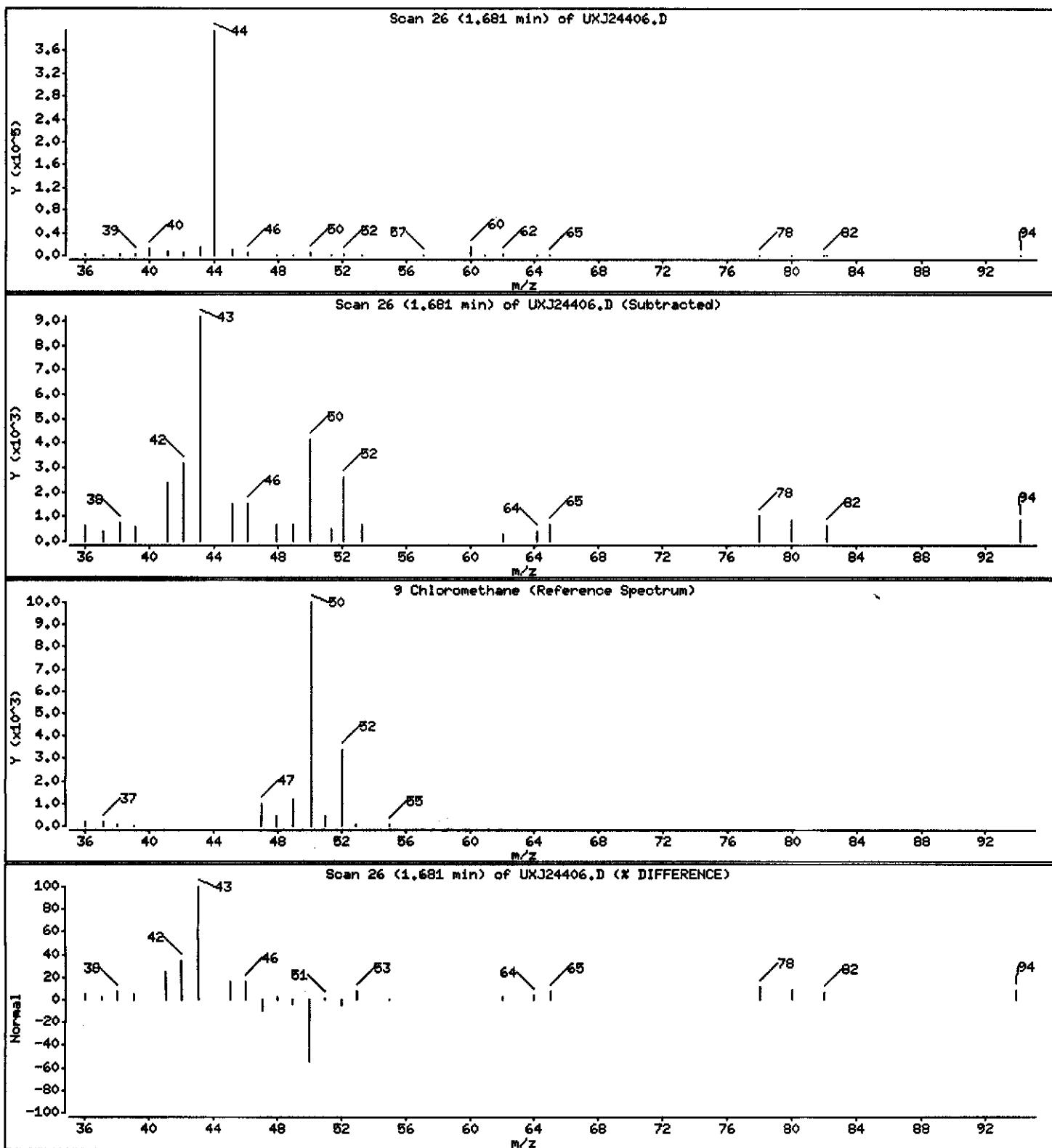
Operator: 43582

Column phaset: DB624

Column diameter: 0.18

9 Chloromethane

Concentration: 0.2910 ug/L



Data File: \\qcanoh04\dd\chem\MSV\s3ux11.i\J41005A.b\UXJ24406.D

Date : 05-OCT-2004 13:55

Client ID: DW003/092804

Instrument: s3ux11.i

Sample Info: GRD9A1AA,5ML/5ML

Purge Volume: 5.0

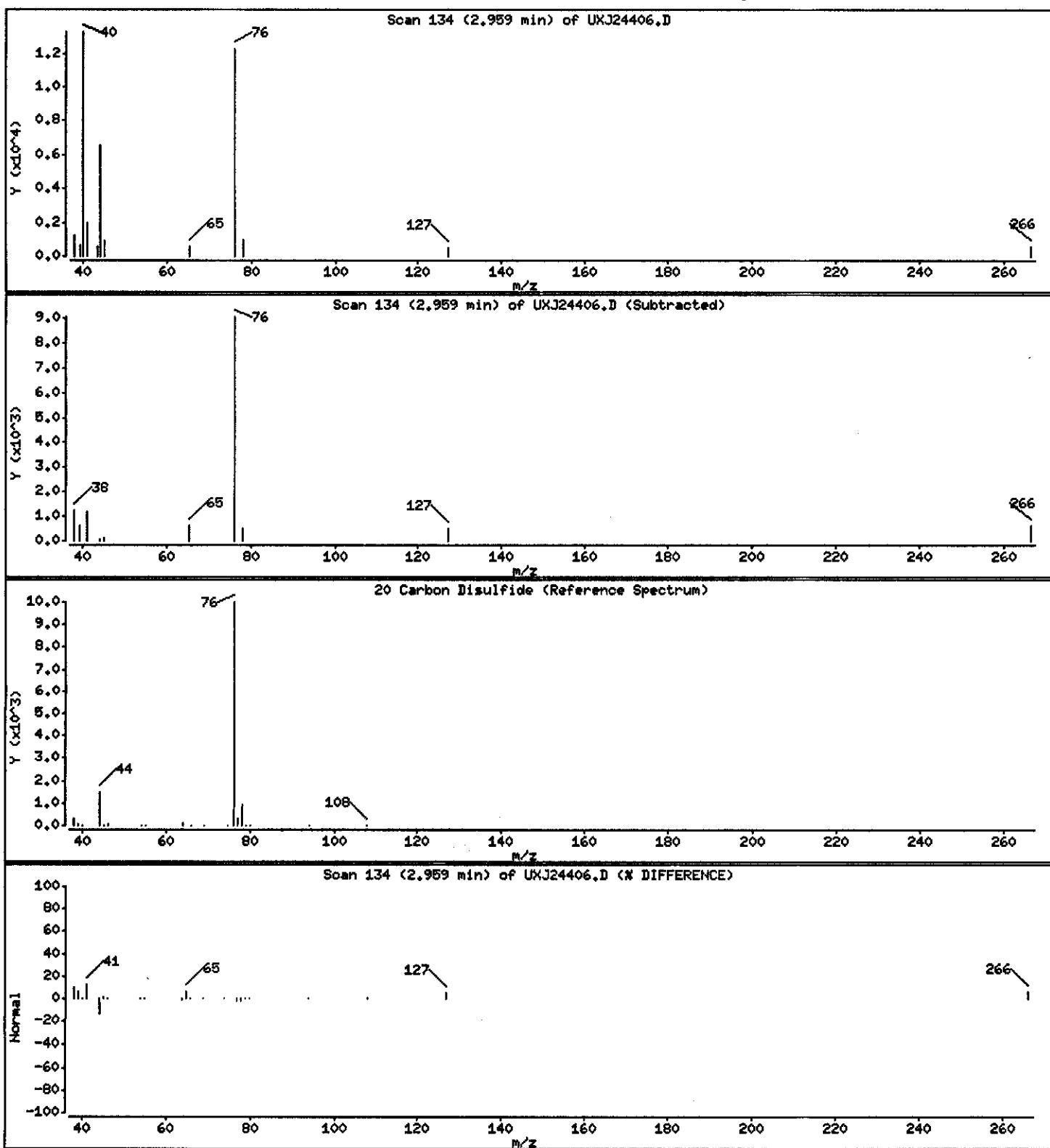
Operator: 43582

Column phase: DB624

Column diameter: 0.18

20 Carbon Disulfide

Concentration: 0.5208 ug/L



Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24406.D

Date : 05-OCT-2004 13:55

Client ID: DW003/092804

Instrument: z3ux11.i

Sample Info: GRD9A1AA,5ML/5ML

Purge Volume: 5.0

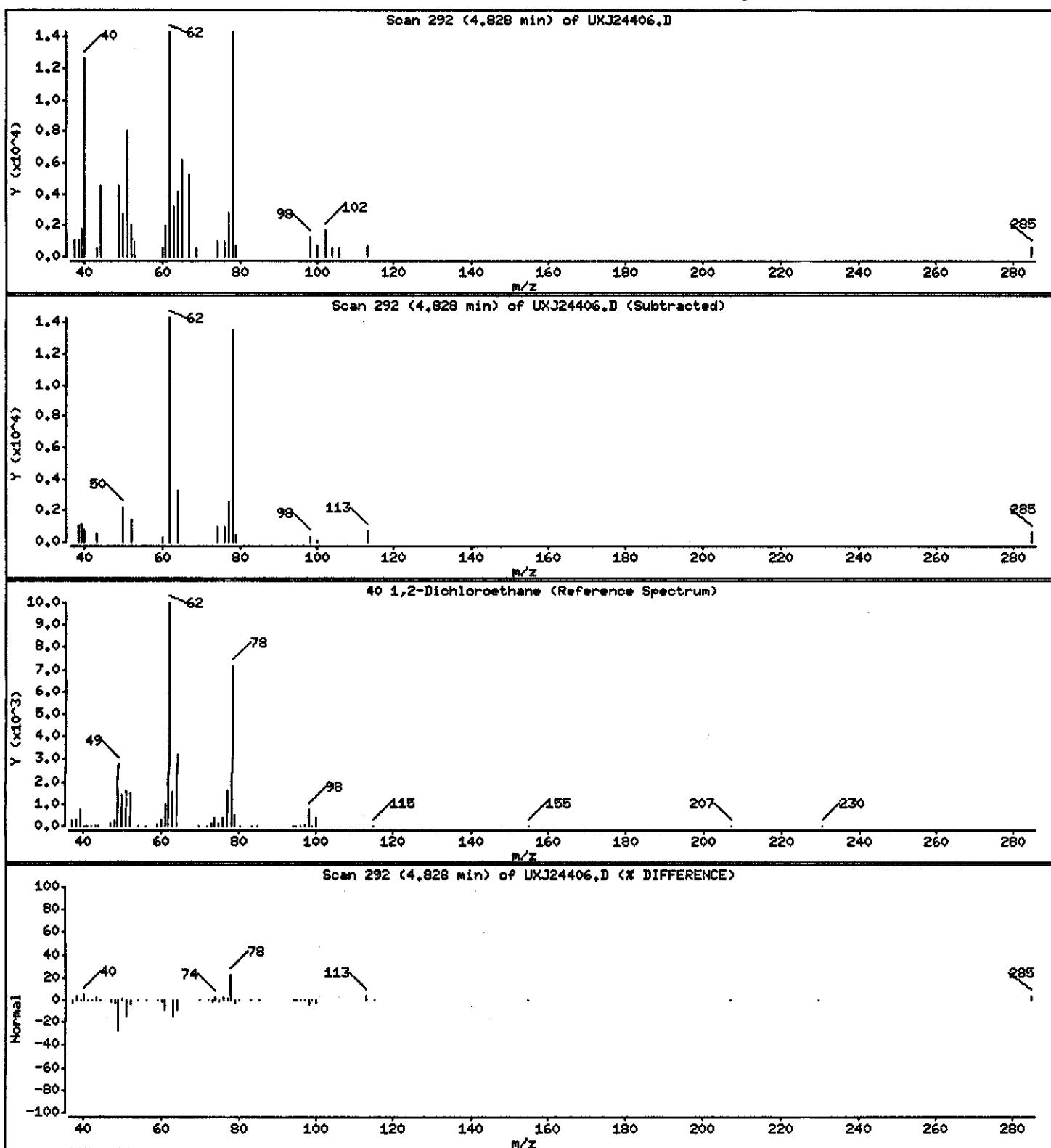
Operator: 43582

Column phase: DB624

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 0.3958 ug/L



Data File: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J41005A.b\\UXJ24406.D

Date : 05-OCT-2004 13:55

Client ID: DW003/092804

Instrument: a3ux11,i

Sample Info: GRD9A1AA,5ML/5ML

Purge Volume: 5.0

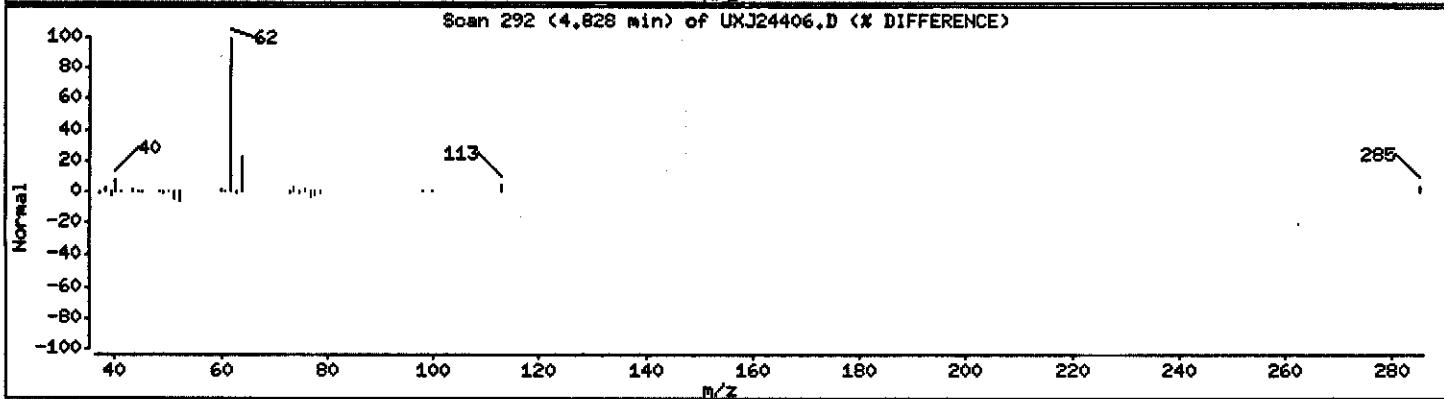
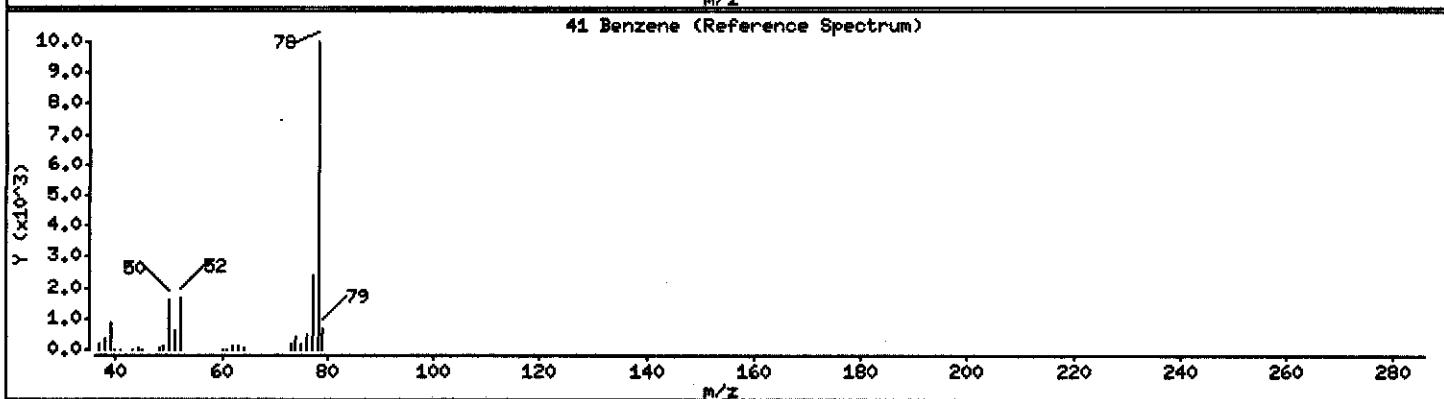
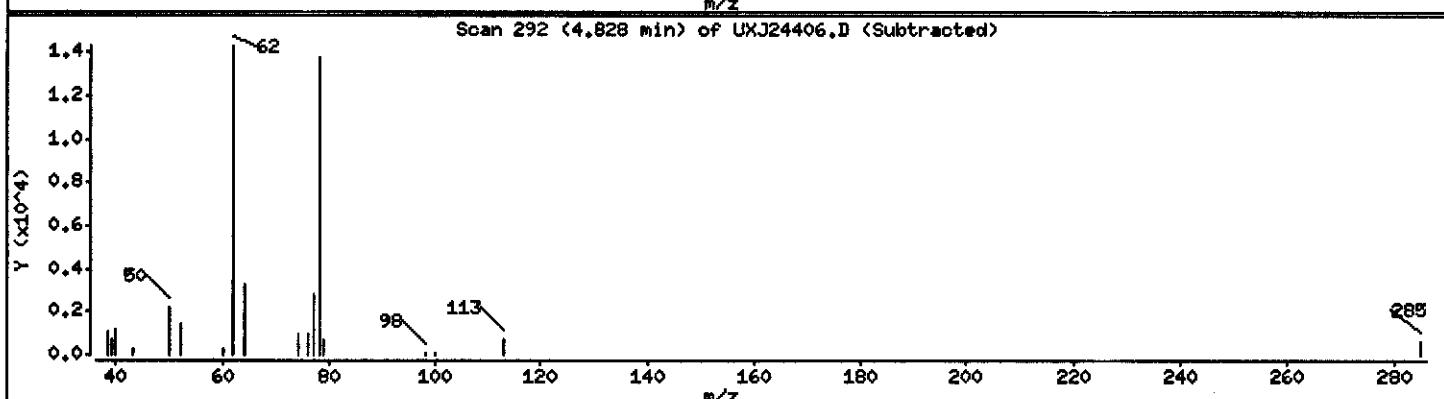
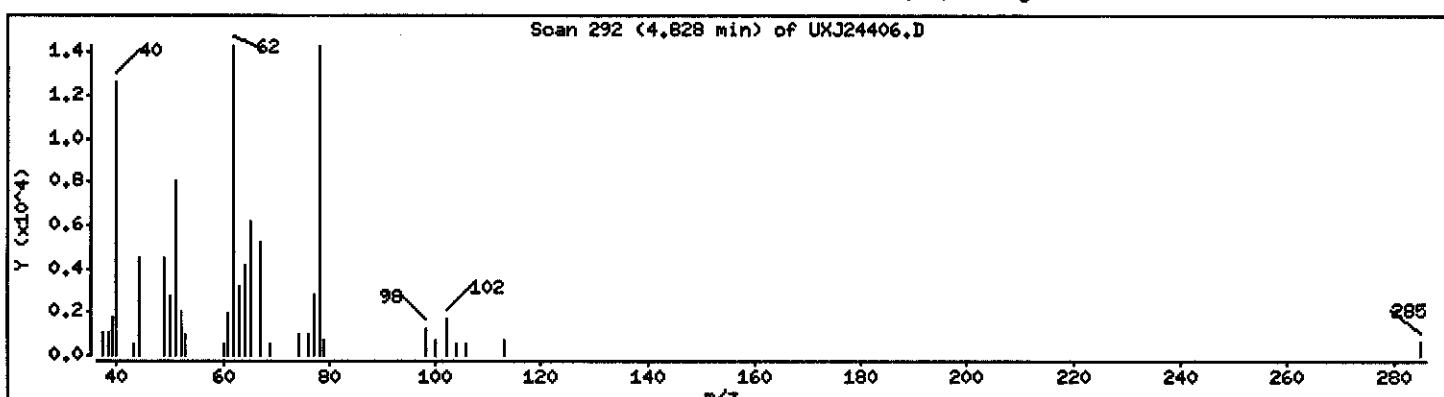
Operator: 43582

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.1602 ug/L



Data File: \\qcanoh04\dd\chem\MSV\m3ux11.i\J41005A.b\UXJ24406.D

Date : 05-OCT-2004 13:55

Client ID: DW003/092804

Instrument: m3ux11.i

Sample Info: GRD9A1AA,5ML/5ML

Purge Volume: 5.0

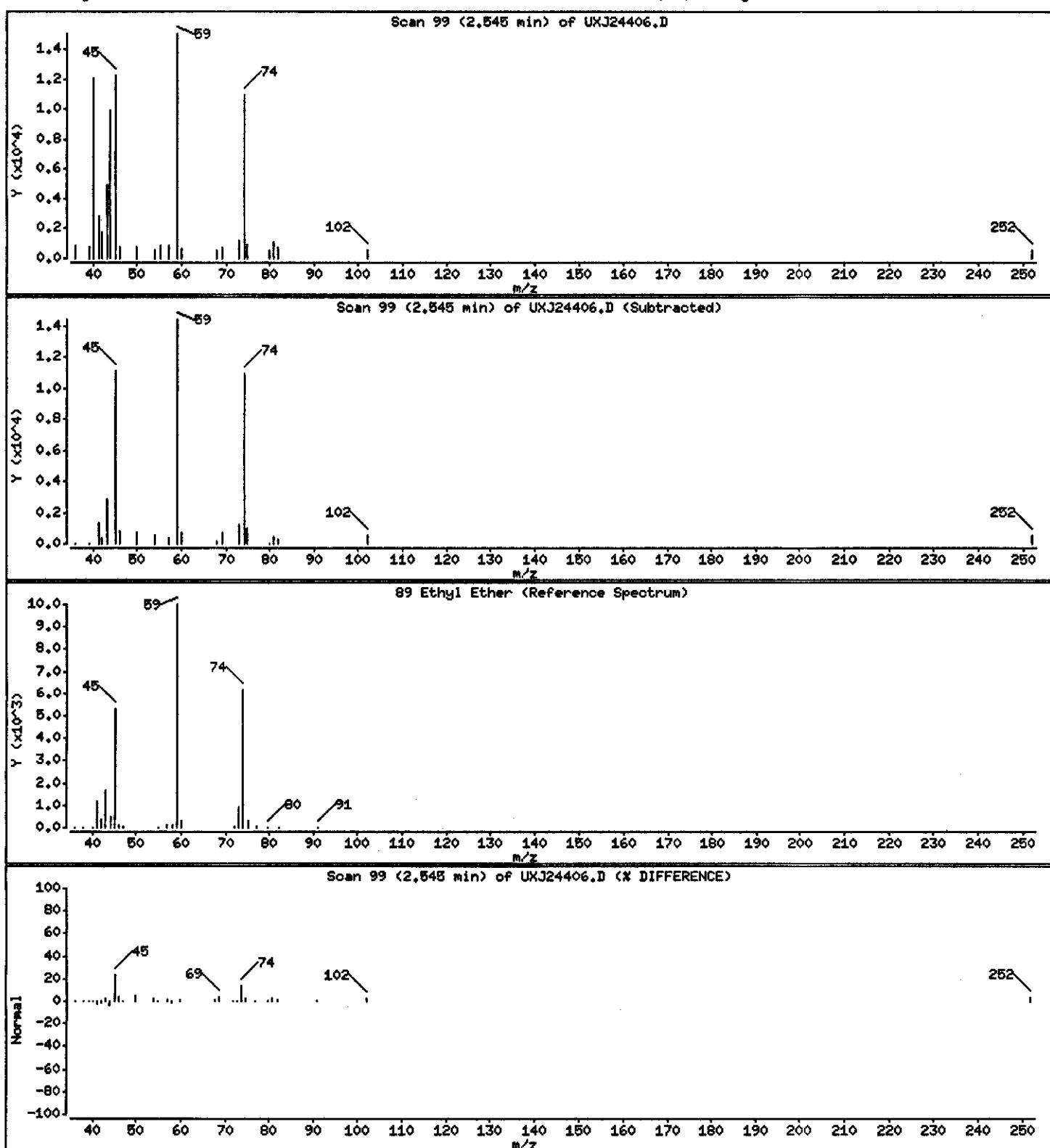
Operator: 43582

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 0.8963 ug/L



PAYNE FIRM INC.

Client Sample ID: DW002/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-003 Work Order #....: GRD9F1AA Matrix.....: WG
 Date Sampled....: 09/28/04 11:35 Date Received...: 09/29/04
 Prep Date.....: 10/05/04 Analysis Date...: 10/05/04
 Prep Batch #....: 4279319
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol..: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	0.24 J	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	0.73 J	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	0.25 J	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	0.24 J	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DW002/092804

GC/MS Volatiles

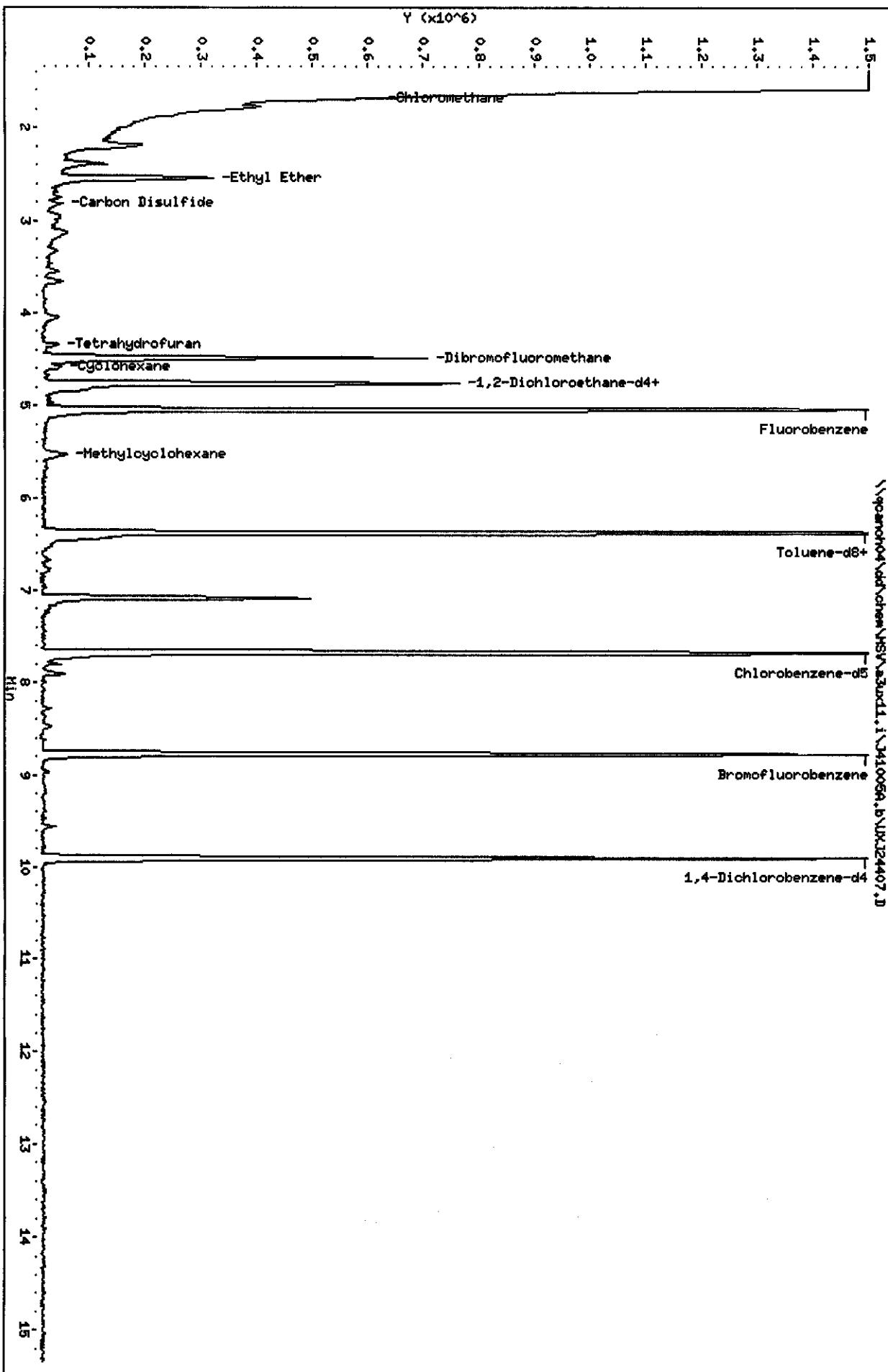
Lot-Sample #...: A4I290236-003 Work Order #...: GRD9F1AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	0.30 J	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.



Data File: \\pcarcho04\\dd\\chem\\MSV\\a3x011.i\\J41005A.b\\UXJ24407.D
 Date : 05-OCT-2004 14:17
 Client ID: IM002/092804
 Sample Info: CR095100,5ML/5ML
 Purge Volume: 5.0
 Column phase: DB624

Instrument: a3x011.i
 Operator: 43582
 Column diameter: 0.18

\\pcarcho04\\dd\\chem\\MSV\\a3x011.i\\J41005A.b\\UXJ24407.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\A3UX11.i\J41005A.b\UXJ24407.D
Lab Smp Id: GRD9F1AA Client Smp ID: DW002/092804
Inj Date : 05-OCT-2004 14:17
Operator : 43582 Inst ID: A3UX11.i
Smp Info : GRD9F1AA, 5ML/5ML
Misc Info : J41005A, 8260LLUX11,, 43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\A3UX11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	( ug/L)
* 1 Fluorobenzene	96	5.041	5.041 (1.000)	1952402	50.0000		
* 2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1643341	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	705564	50.0000		
\$ 4 Dibromofluoromethane	113	4.485	4.485 (0.890)	516708	56.8426	11.368	
\$ 5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	684514	54.7625	10.952	
\$ 6 Toluene-d8	98	6.378	6.378 (0.831)	1762819	44.6514	8.930	
\$ 7 Bromofluorobenzene	95	8.780	8.780 (1.143)	702274	41.8655	8.373	
8 Dichlorodifluoromethane	85		Compound Not Detected.				
9 Chloromethane	50	1.680	1.704 (0.333)	22751	1.24838	0.2497	
10 Vinyl Chloride	62		Compound Not Detected.				
11 Bromomethane	94		Compound Not Detected.				
12 Chloroethane	64		Compound Not Detected.				
13 Trichlorofluoromethane	101		Compound Not Detected.				
15 Acrolein	56		Compound Not Detected.				
16 Acetone	43		Compound Not Detected.				
17 1,1-Dichloroethene	96		Compound Not Detected.				
18 Freon-113	151		Compound Not Detected.				

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng) FINAL (ug/L)
19 Iodomethane	142					Compound Not Detected.	
20 Carbon Disulfide	76		2.947	2.923 (0.585)		119369	3.65997 0.7320 (H)
21 Methylene Chloride	84					Compound Not Detected.	
22 Acetonitrile	41					Compound Not Detected.	
23 Acrylonitrile	53					Compound Not Detected.	
24 Methyl tert-butyl ether	73					Compound Not Detected.	
25 trans-1,2-Dichloroethene	96					Compound Not Detected.	
26 Hexane	86					Compound Not Detected.	
27 Vinyl acetate	43					Compound Not Detected.	
28 1,1-Dichloroethane	63					Compound Not Detected.	
29 tert-Butyl Alcohol	59					Compound Not Detected.	
30 2-Butanone	43					Compound Not Detected.	
M 31 1,2-Dichloroethene (total)	96					Compound Not Detected.	
32 cis-1,2-dichloroethene	96					Compound Not Detected.	
33 2,2-Dichloropropane	77					Compound Not Detected.	
34 Bromochloromethane	128					Compound Not Detected.	
35 Chloroform	83					Compound Not Detected.	
36 Tetrahydrofuran	42		4.343	4.331 (0.862)		23308	7.92096 1.584
37 1,1,1-Trichloroethane	97					Compound Not Detected.	
38 1,1-Dichloropropene	75					Compound Not Detected.	
39 Carbon Tetrachloride	117					Compound Not Detected.	
40 1,2-Dichloroethane	62		4.816	4.816 (0.955)		18725	1.20655 0.2413
41 Benzene	78		4.828	4.816 (0.958)		54956	1.22259 0.2445
42 Trichloroethene	130					Compound Not Detected.	
43 1,2-Dichloropropane	63					Compound Not Detected.	
44 1,4-Dioxane	88					Compound Not Detected.	
45 Dibromomethane	93					Compound Not Detected.	
46 Bromodichloromethane	83					Compound Not Detected.	
47 2-Chloroethyl vinyl ether	63					Compound Not Detected.	
48 cis-1,3-Dichloropropene	75					Compound Not Detected.	
49 4-Methyl-2-pentanone	43					Compound Not Detected.	
50 Toluene	91		6.437	6.437 (0.838)		72950	1.48638 0.2973
51 trans-1,3-Dichloropropene	75					Compound Not Detected.	
52 Ethyl Methacrylate	69					Compound Not Detected.	
53 1,1,2-Trichloroethane	97					Compound Not Detected.	
54 1,3-Dichloropropane	76					Compound Not Detected.	
55 Tetrachloroethene	164					Compound Not Detected.	
56 2-Hexanone	43					Compound Not Detected.	
57 Dibromochloromethane	129					Compound Not Detected.	
58 1,2-Dibromoethane	107					Compound Not Detected.	
59 Chlorobenzene	112					Compound Not Detected.	
60 1,1,1,2-Tetrachloroethane	131					Compound Not Detected.	
61 Ethylbenzene	106					Compound Not Detected.	
62 m + p-Xylene	106					Compound Not Detected.	
M 63 Xylenes (total)	106					Compound Not Detected.	
64 Xylene-o	106					Compound Not Detected.	
65 Styrene	104					Compound Not Detected.	

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173					Compound Not Detected.		
67 Isopropylbenzene	105					Compound Not Detected.		
68 1,1,2,2-Tetrachloroethane	83					Compound Not Detected.		
69 1,4-Dichloro-2-butene	53					Compound Not Detected.		
70 1,2,3-Trichloropropane	110					Compound Not Detected.		
71 Bromobenzene	156					Compound Not Detected.		
72 n-Propylbenzene	120					Compound Not Detected.		
73 2-Chlorotoluene	126					Compound Not Detected.		
74 1,3,5-Trimethylbenzene	105					Compound Not Detected.		
75 4-Chlorotoluene	126					Compound Not Detected.		
76 tert-Butylbenzene	119					Compound Not Detected.		
77 1,2,4-Trimethylbenzene	105					Compound Not Detected.		
78 sec-Butylbenzene	105					Compound Not Detected.		
79 4-Isopropyltoluene	119					Compound Not Detected.		
80 1,3-Dichlorobenzene	146					Compound Not Detected.		
81 1,4-Dichlorobenzene	146					Compound Not Detected.		
82 n-Butylbenzene	91					Compound Not Detected.		
83 1,2-Dichlorobenzene	146					Compound Not Detected.		
84 1,2-Dibromo-3-chloropropane	157					Compound Not Detected.		
85 1,2,4-Trichlorobenzene	180					Compound Not Detected.		
86 Hexachlorobutadiene	225					Compound Not Detected.		
87 Naphthalene	128					Compound Not Detected.		
88 1,2,3-Trichlorobenzene	180					Compound Not Detected.		
14 Dichlorofluoromethane	67					Compound Not Detected.		
89 Ethyl Ether	59	2.544	2.532 (0.505)			267349	27.7707	5.554
91 3-Chloropropene	76					Compound Not Detected.		
92 Isopropyl Ether	87					Compound Not Detected.		
93 2-Chloro-1,3-butadiene	53					Compound Not Detected.		
94 Propionitrile	54					Compound Not Detected.		
95 Ethyl Acetate	43					Compound Not Detected.		
96 Methacrylonitrile	41					Compound Not Detected.		
97 Isobutanol	41					Compound Not Detected.		
99 n-Butanol	56					Compound Not Detected.		
100 Methyl Methacrylate	41					Compound Not Detected.		
101 2-Nitropropane	41					Compound Not Detected.		
103 Cyclohexanone	55					Compound Not Detected.		
98 Cyclohexane	56	4.591	4.579 (0.911)			16652	1.15933	0.2319
143 Methyl Acetate	43					Compound Not Detected.		
144 Methylcyclohexane	83	5.526	5.526 (1.096)			14452	1.19902	0.2398
141 1,3,5-Trichlorobenzene	180					Compound Not Detected.		

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\qcanch04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24407.D

Date : 05-OCT-2004 14:17

Client ID: DW002/092804

Instrument: z3ux11.i

Sample Info: GRD9F1AA,5ML/5ML

Purge Volume: 5.0

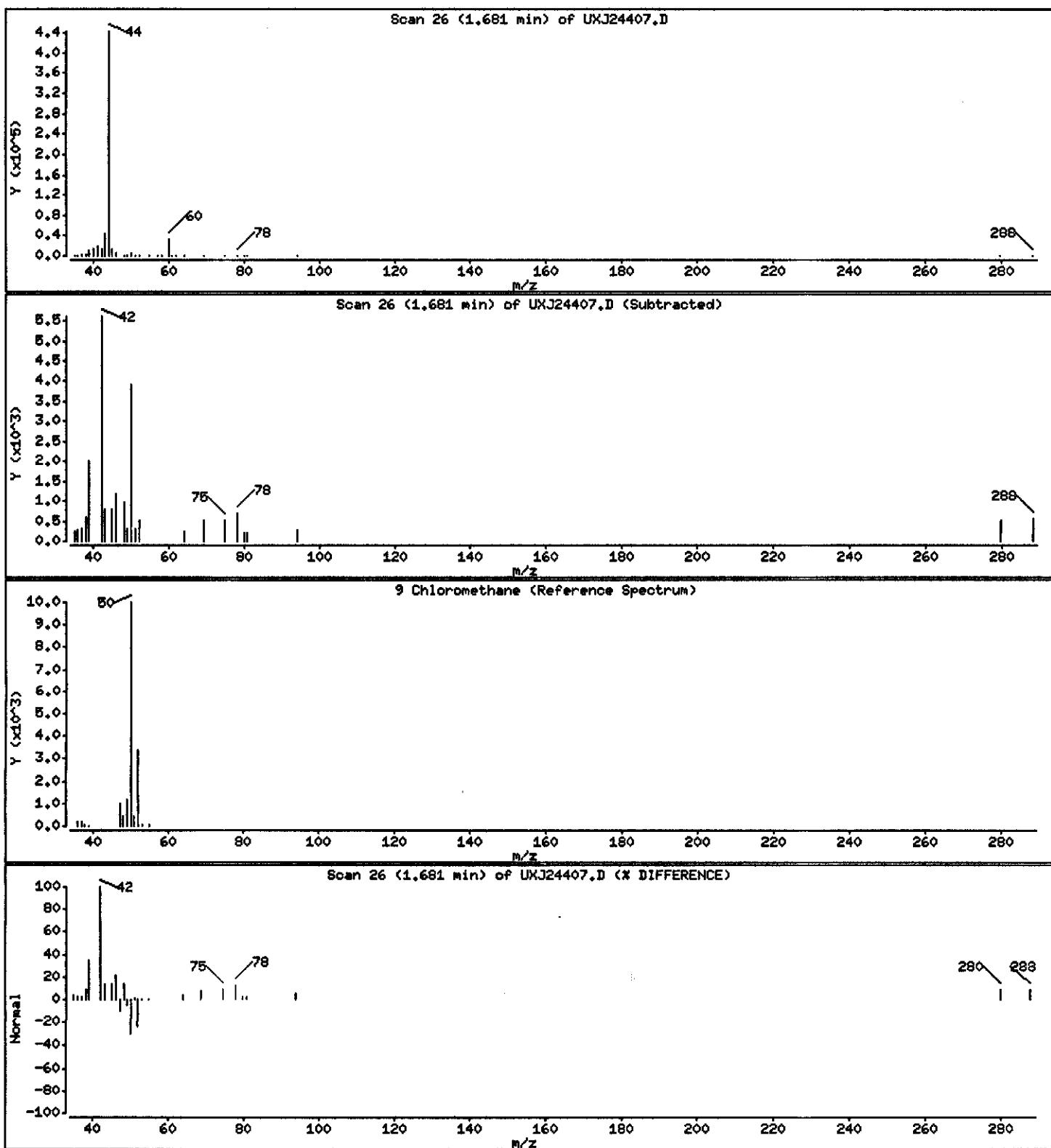
Operator: 43582

Column phase: DB624

Column diameter: 0.18

9 Chloromethane

Concentration: 0.2497 ug/L



Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24407.D

Date : 05-OCT-2004 14:17

Client ID: DW002/092804

Instrument: z3ux11.i

Sample Info: GRD9F1AA,5ML/5ML

Purge Volume: 5.0

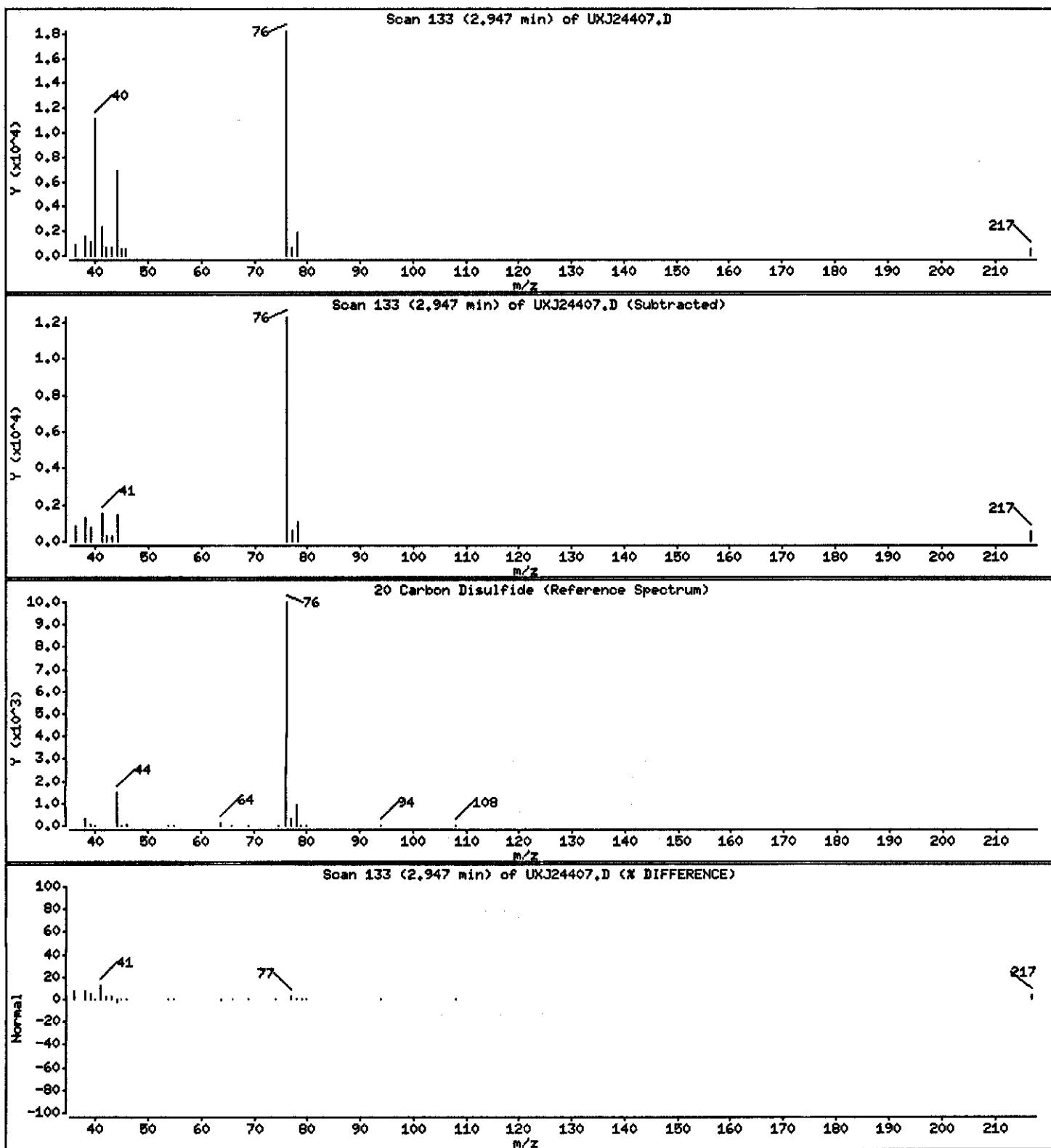
Operator: 43582

Column phase: DB624

Column diameter: 0.18

20 Carbon Disulfide

Concentration: 0.7320 ug/L



Data File: \\qcanoh04\dd\chem\MSV\3ux11.i\J41005A.b\UXJ24407.D

Date : 05-OCT-2004 14:17

Client ID: DW002/092804

Instrument: 3ux11.i

Sample Info: GRD9F1AA,5ML/5ML

Purge Volume: 5.0

Operator: 43582

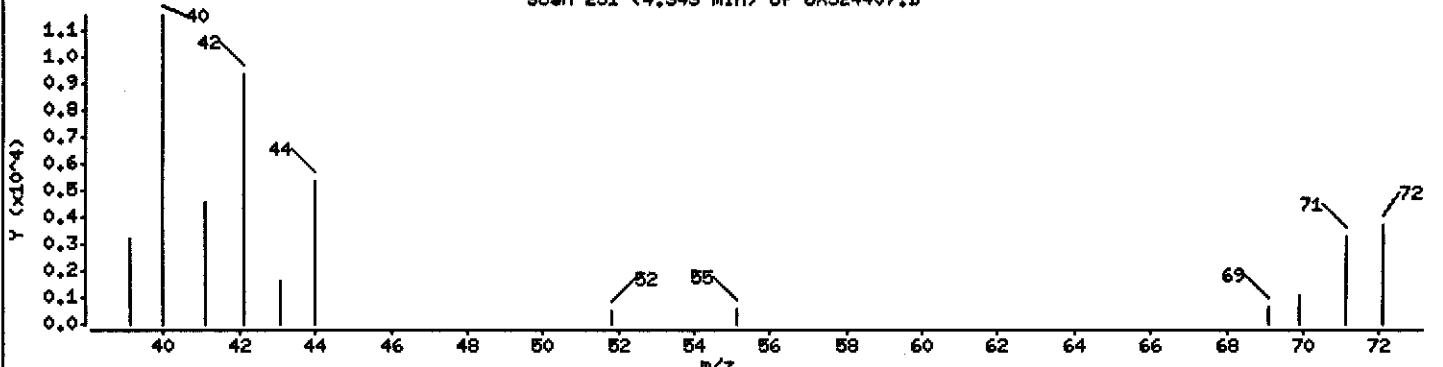
Column phase: DB624

Column diameter: 0.18

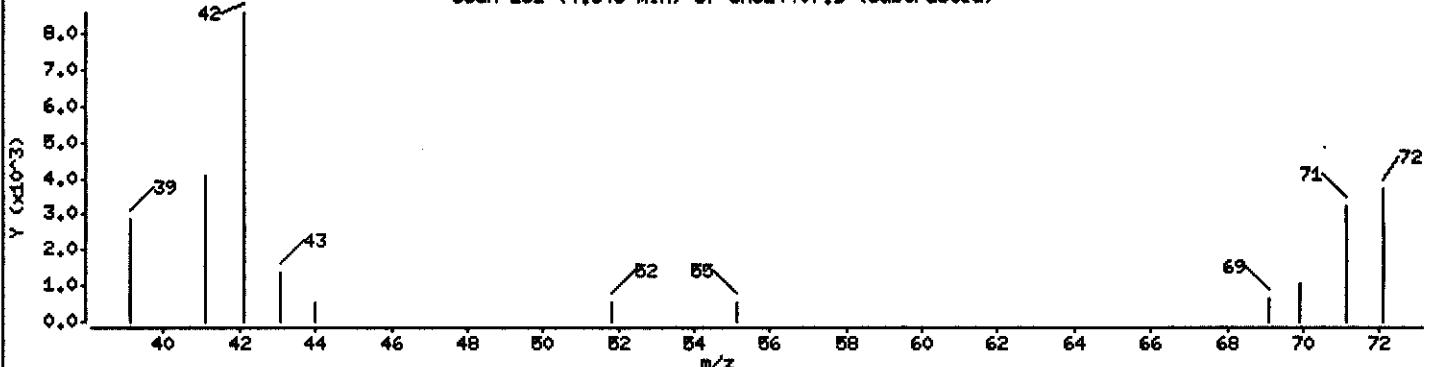
36 Tetrahydrofuran

Concentration: 1.584 ug/L

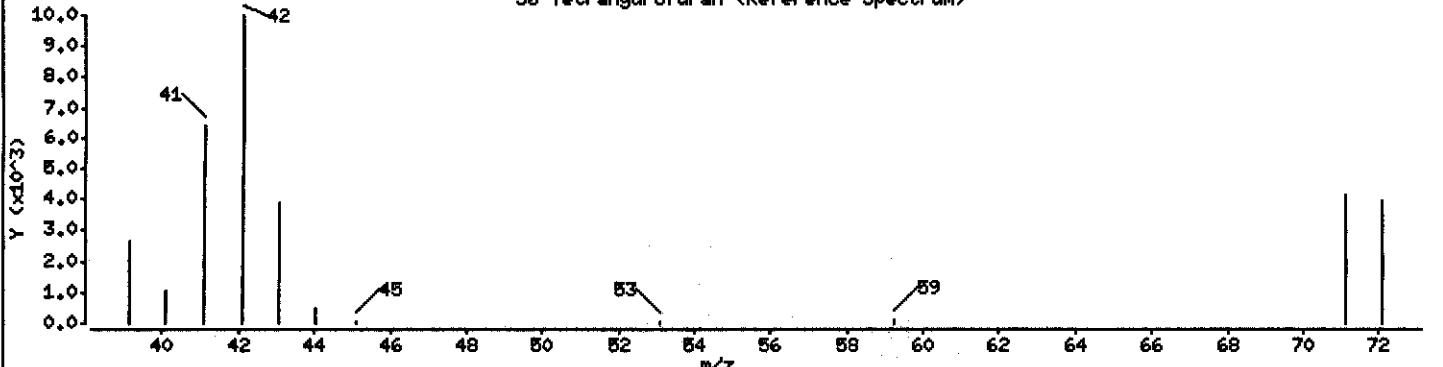
Scan 251 (4.343 min) of UXJ24407.D



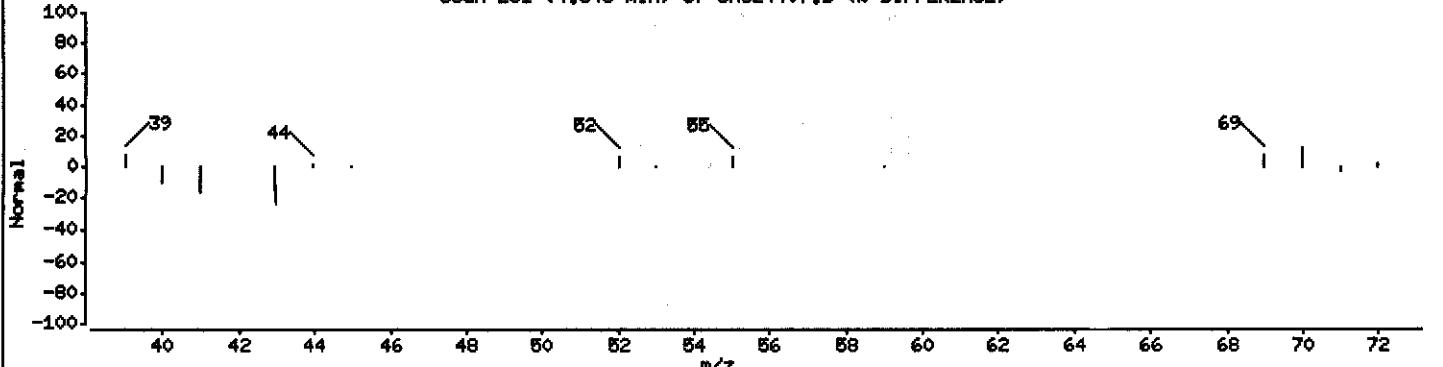
Scan 251 (4.343 min) of UXJ24407.D (Subtracted)



36 Tetrahydrofuran (Reference Spectrum)



Scan 251 (4.343 min) of UXJ24407.D (% DIFFERENCE)



Data File: \\qcanch04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24407.D

Date : 05-OCT-2004 14:17

Client ID: DW002/092804

Instrument: z3ux11.i

Sample Info: GRD9F1AA,5ML/5ML

Purge Volume: 5.0

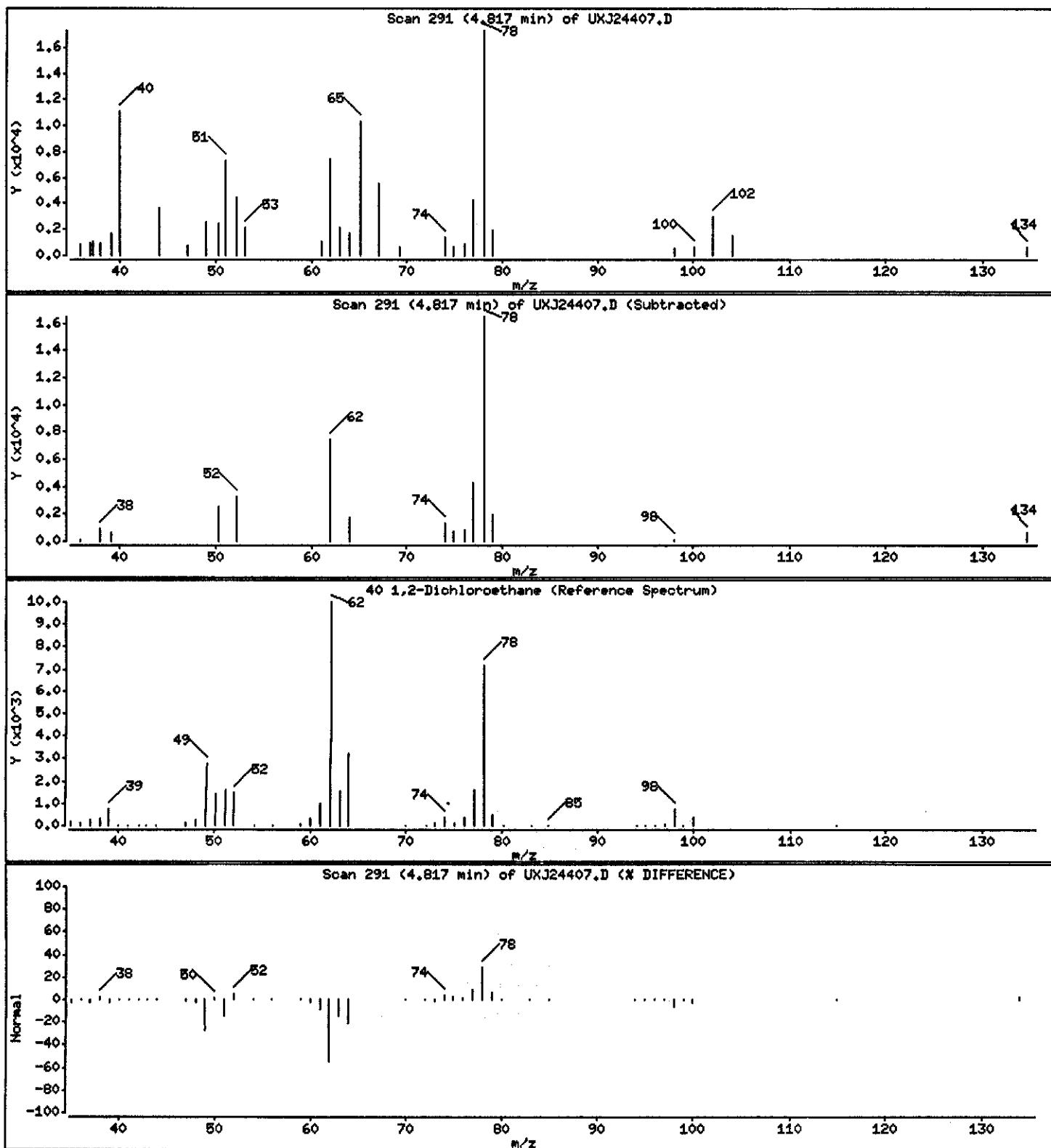
Operator: 43582

Column phase: DB624

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 0.2413 ug/L



Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24407.D

Date : 05-OCT-2004 14:17

Client ID: DW002/092804

Instrument: z3ux11.i

Sample Info: GRD9F1AA,5ML/5ML

Purge Volume: 5.0

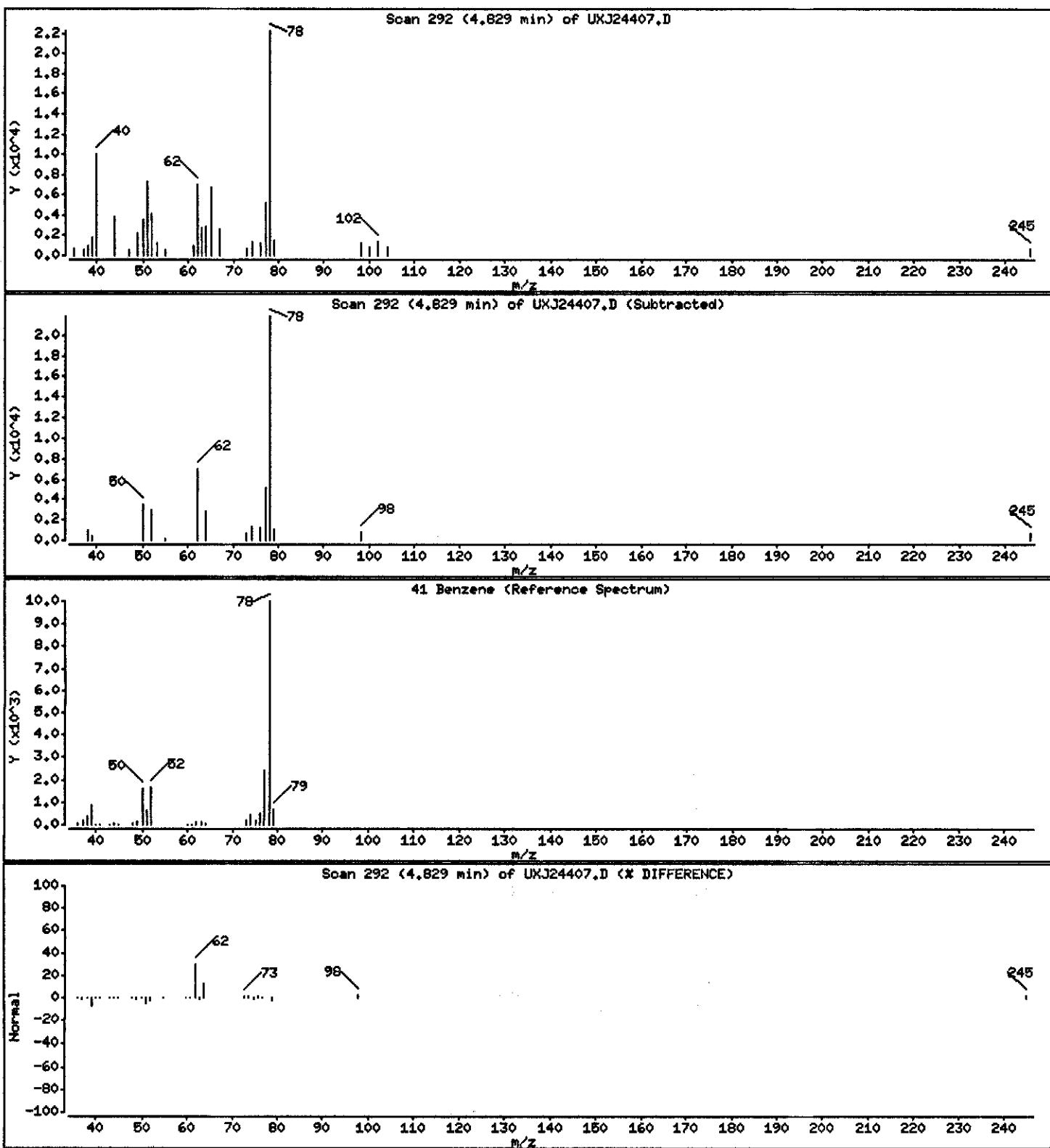
Operator: 43582

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.2445 ug/L



Data File: \\qcanch04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24407.D

Date : 05-OCT-2004 14:17

Client ID: DW002/092804

Instrument: z3ux11.i

Sample Info: GRD9F1AA,5ML/5ML

Purge Volume: 5.0

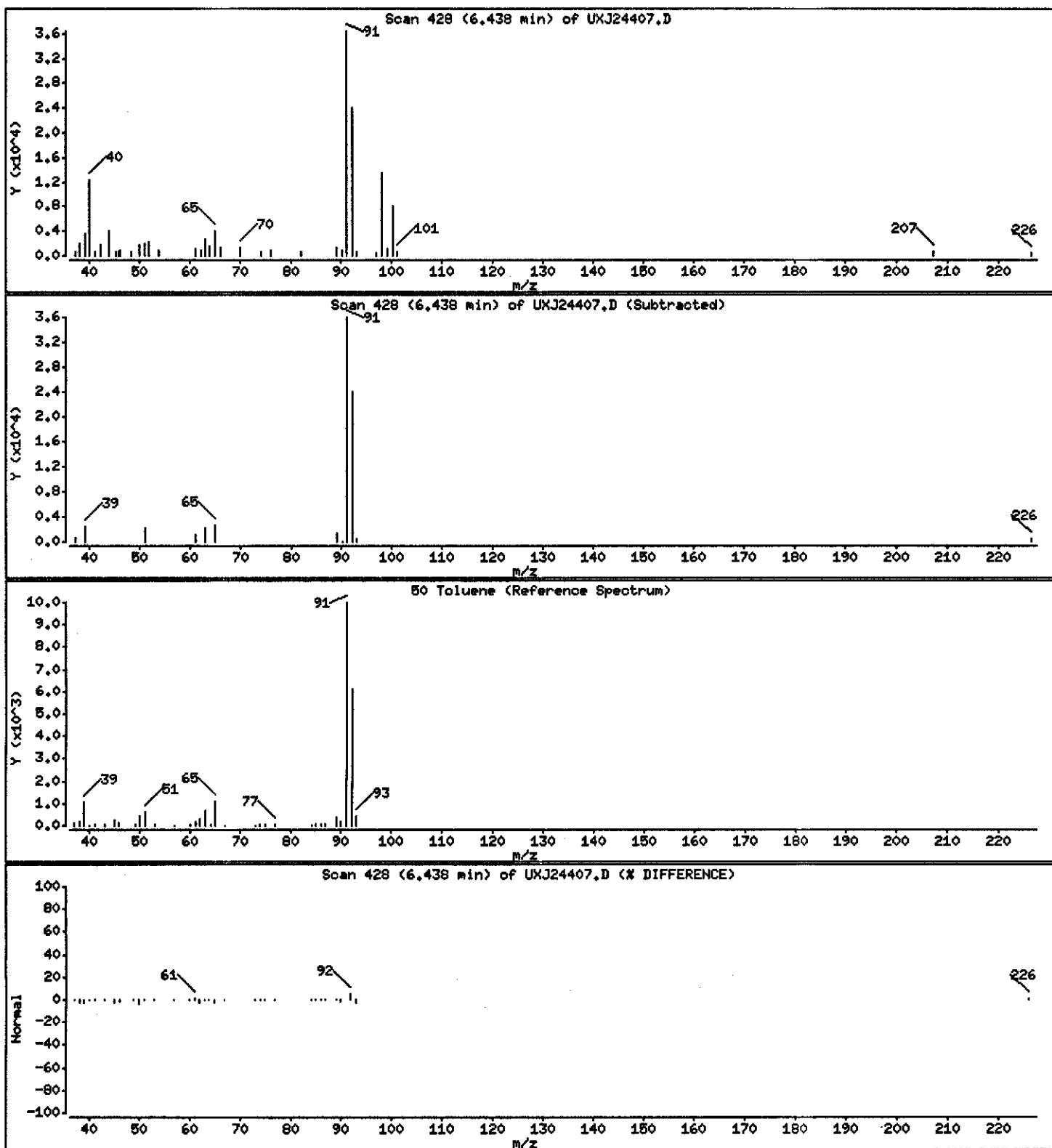
Operator: 43582

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.2973 ug/L



Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24407.D

Date : 05-OCT-2004 14:17

Client ID: DW002/092804

Instrument: z3ux11.i

Sample Info: GRD9F1AA,5ML/5ML

Purge Volume: 5.0

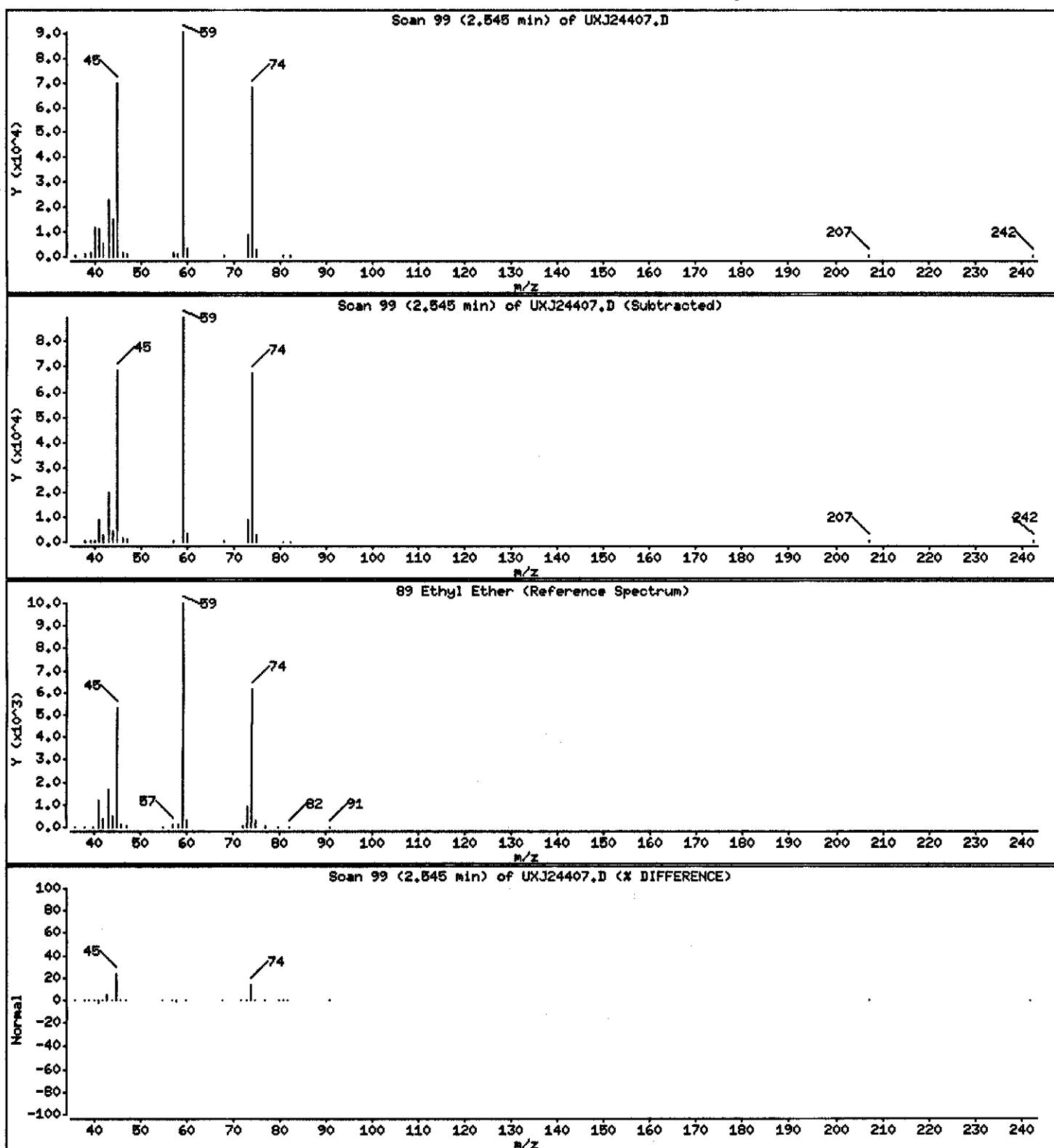
Operator: 43682

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 5.554 ug/L



Data File: \\qcanoh04\dd\chem\MSV\93ux11.i\J41005A.b\UXJ24407.D

Date : 05-OCT-2004 14:17

Client ID: DW002/092804

Instrument: 93ux11.i

Sample Info: GRD9F1AA,5ML/5ML

Purge Volume: 5.0

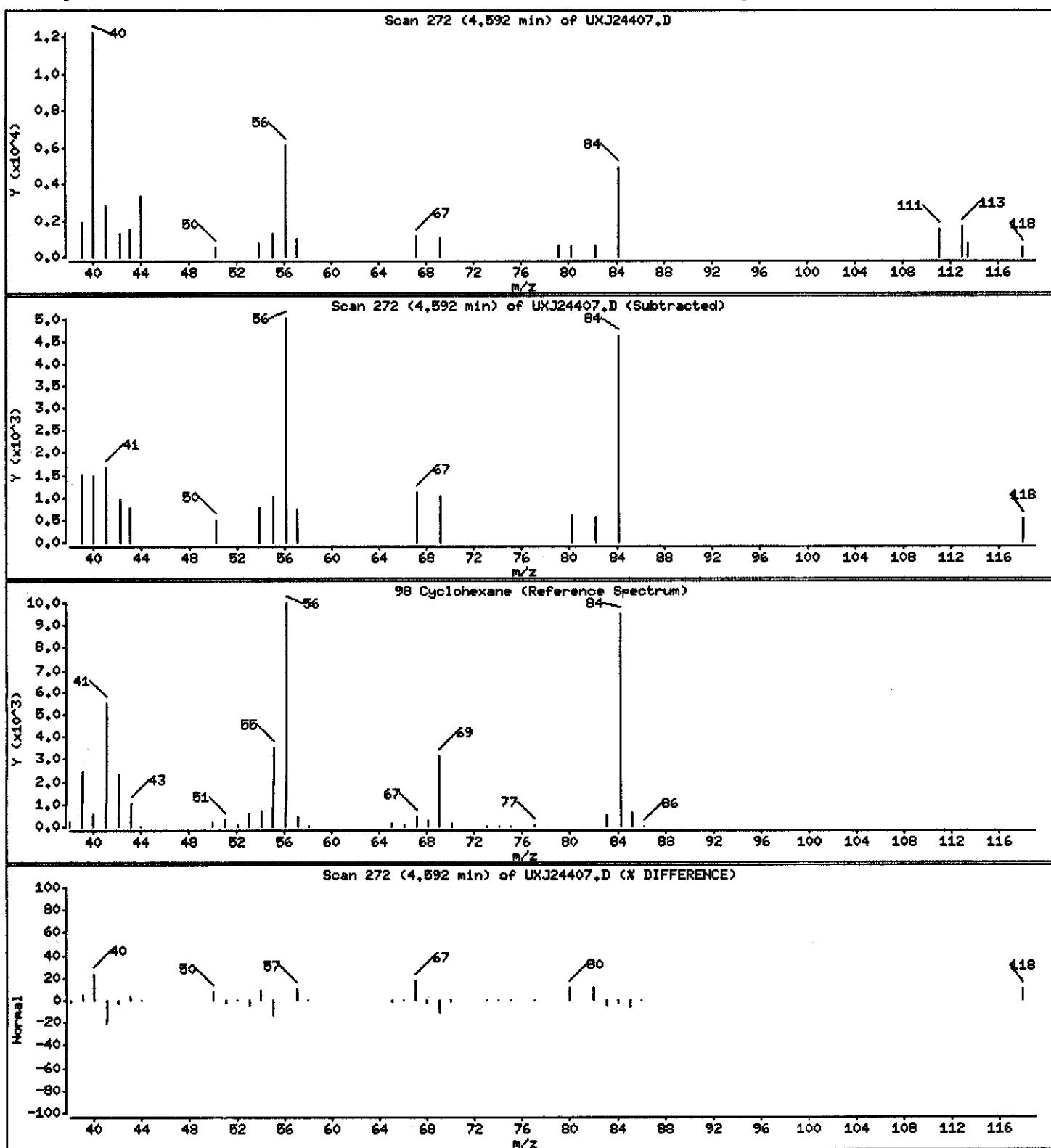
Operator: 43582

Column phase: DB624

Column diameter: 0.18

98 Cyclohexane

Concentration: 0.2319 ug/L



Data File: \\qcanch04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24407.D

Date : 05-OCT-2004 14:17

Client ID: DW002/092804

Instrument: z3ux11.i

Sample Info: GRD9F1AA,5ML/5ML

Purge Volume: 5.0

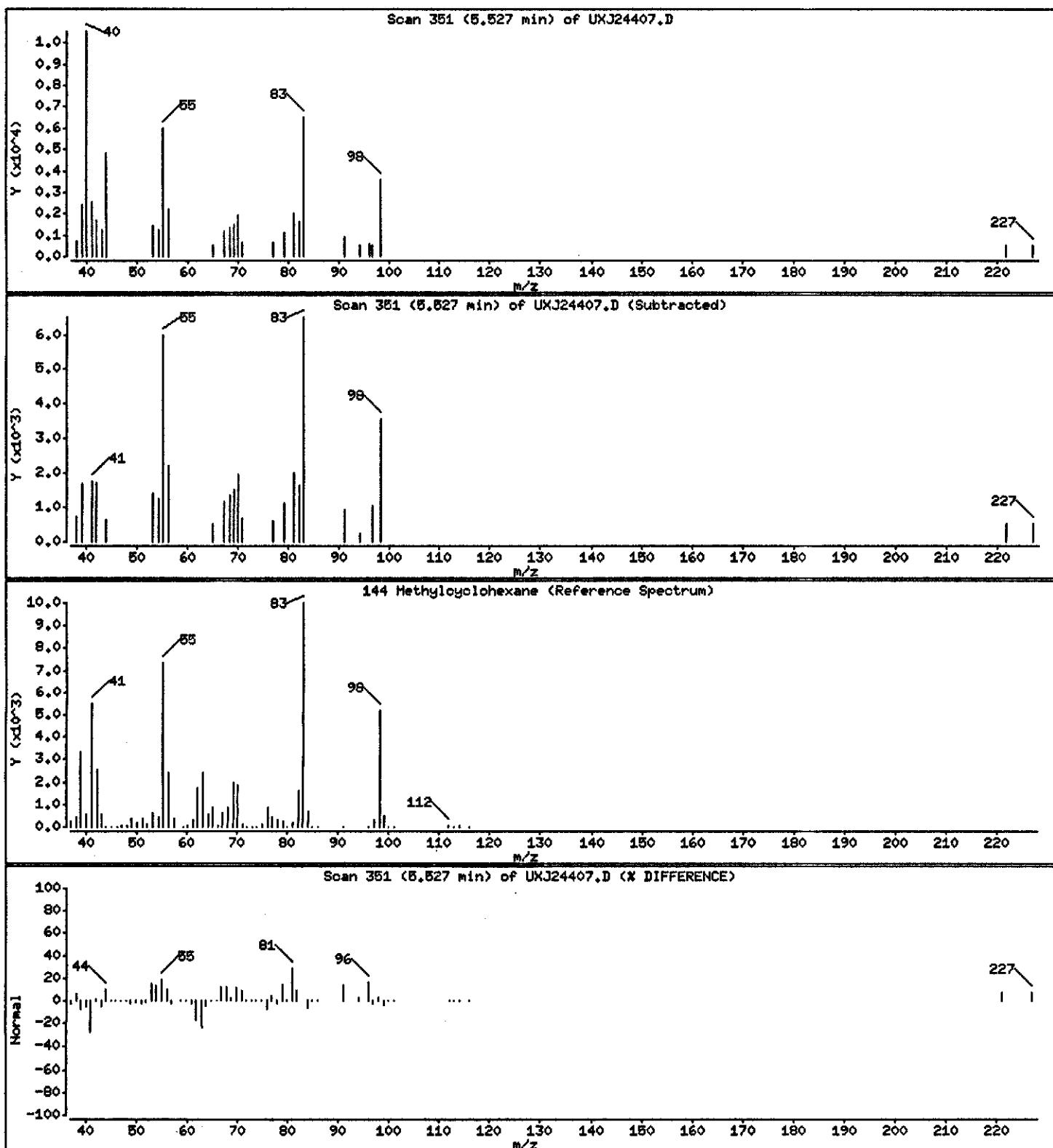
Operator: 43582

Column phase: DB624

Column diameter: 0.18

144 Methylcyclohexane

Concentration: 0.2398 ug/L



PAYNE FIRM INC.

Client Sample ID: DW001/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-004 Work Order #....: GRD9H1AA Matrix.....: WG
 Date Sampled...: 09/28/04 11:42 Date Received...: 09/29/04
 Prep Date.....: 10/05/04 Analysis Date...: 10/05/04
 Prep Batch #....: 4279319
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	0.93 J	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	0.44 J	10	ug/L
Carbon disulfide	0.79 J	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DW001/092804

GC/MS Volatiles

Lot-Sample #...: A4I290236-004 Work Order #...: GRD9H1AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	116	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

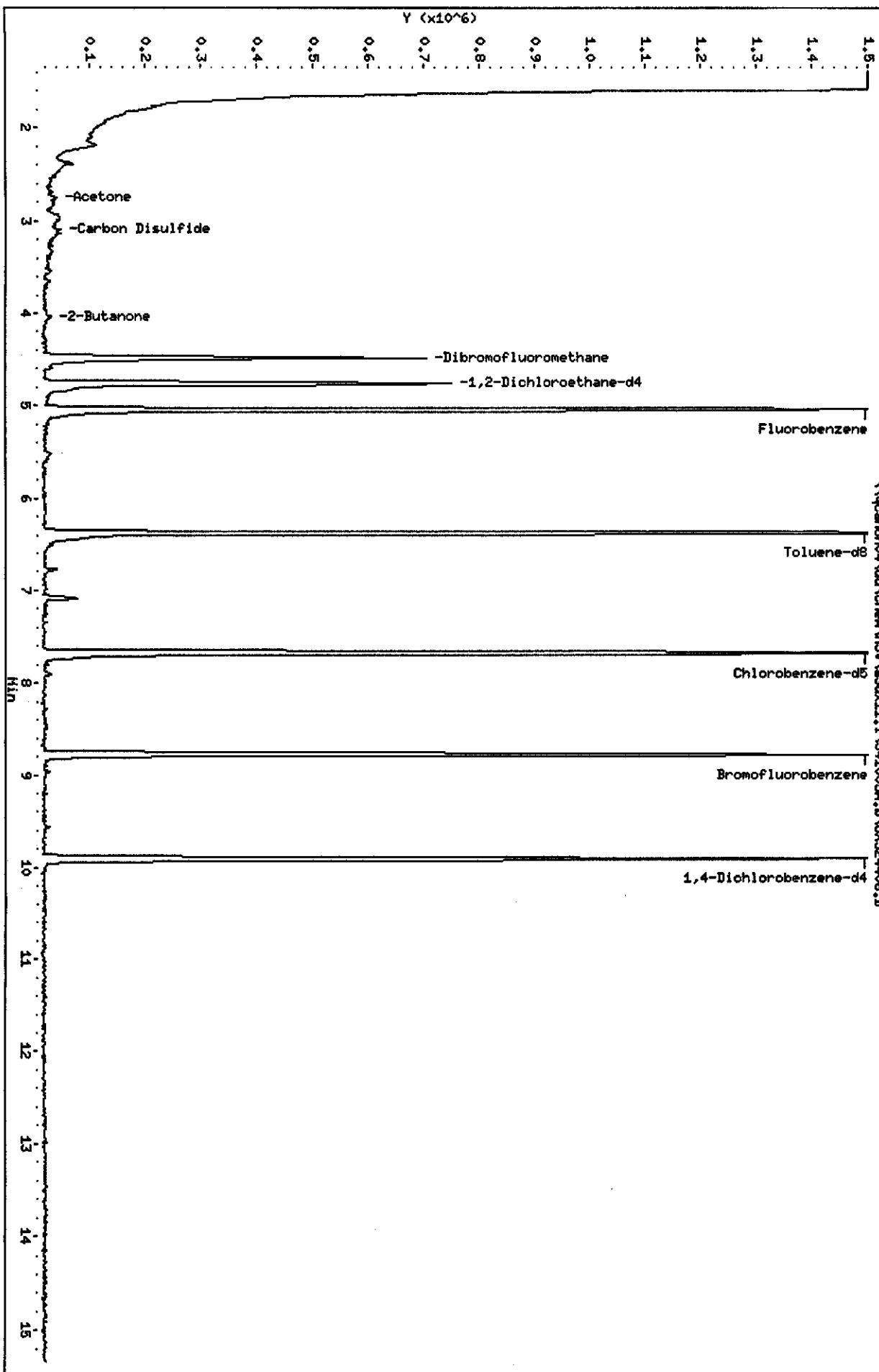
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Date : 05-OCT-2004 14:40

Client ID: IM001\092804
Sample Info: GRPHD005M/STL

Purge Volume: 5.0
Column phase: D6E24

Instrument: a3ud1.i
Operator: 43582
Column diameter: 0.18

\\qcpho04\\dd\\chem\\MSI\\a3ud1.i\\J410059.b\\JK124408.D



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24408.D
Lab Smp Id: GRD9H1AA Client Smp ID: DW001/092804
Inj Date : 05-OCT-2004 14:40
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GRD9H1AA, 5ML/5ML
Misc Info : J41005A, 8260LLUX11,, 43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
*	1 Fluorobenzene	96	5.041	5.041 (1.000)	1849863	50.0000		
*	2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1540777	50.0000		
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	694346	50.0000		
\$	4 Dibromofluoromethane	113	4.485	4.485 (0.890)	499485	57.9937	11.599	
\$	5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	657374	55.5064	11.101	
\$	6 Toluene-d8	98	6.378	6.378 (0.831)	1684271	45.5017	9.100	
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.143)	671144	42.6730	8.535	
8	Dichlorodifluoromethane	85		Compound Not Detected.				
9	Chloromethane	50		Compound Not Detected.				
10	Vinyl Chloride	62		Compound Not Detected.				
11	Bromomethane	94		Compound Not Detected.				
12	Chloroethane	64		Compound Not Detected.				
13	Trichlorofluoromethane	101		Compound Not Detected.				
15	Acrolein	56		Compound Not Detected.				
16	Acetone	43	2.745	2.745 (0.545)	39516	4.65439	0.9309	
17	1,1-Dichloroethene	96		Compound Not Detected.				
18	Freon-113	151		Compound Not Detected.				

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24408.D
 Report Date: 06-Oct-2004 10:35

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)
Iodomethane	---	142				Compound Not Detected.	
Carbon Disulfide	76		2.935	2.923 (0.582)		122021	3.94866
Methylene Chloride	84					Compound Not Detected.	0.7897
Acetonitrile	41					Compound Not Detected.	
Acrylonitrile	53					Compound Not Detected.	
Methyl tert-butyl ether	73					Compound Not Detected.	
trans-1,2-Dichloroethene	96					Compound Not Detected.	
Hexane	86					Compound Not Detected.	
Vinyl acetate	43					Compound Not Detected.	
1,1-Dichloroethane	63					Compound Not Detected.	
tert-Butyl Alcohol	59					Compound Not Detected.	
2-Butanone	43		4.094	4.094 (0.812)		11216	2.21364
1,2-Dichloroethene (total)	96					Compound Not Detected.	0.4427
cis-1,2-dichloroethene	96					Compound Not Detected.	
2,2-Dichloropropane	77					Compound Not Detected.	
Bromochloromethane	128					Compound Not Detected.	
Chloroform	83					Compound Not Detected.	
Tetrahydrofuran	42					Compound Not Detected.	
1,1,1-Trichloroethane	97					Compound Not Detected.	
1,1-Dichloropropene	75					Compound Not Detected.	
Carbon Tetrachloride	117					Compound Not Detected.	
1,2-Dichloroethane	62					Compound Not Detected.	
Benzene	78					Compound Not Detected.	
Trichloroethene	130					Compound Not Detected.	
1,2-Dichloropropane	63					Compound Not Detected.	
1,4-Dioxane	88					Compound Not Detected.	
Dibromomethane	93					Compound Not Detected.	
Bromodichloromethane	83					Compound Not Detected.	
2-Chloroethyl vinyl ether	63					Compound Not Detected.	
cis-1,3-Dichloropropene	75					Compound Not Detected.	
4-Methyl-2-pentanone	43					Compound Not Detected.	
Toluene	91					Compound Not Detected.	
trans-1,3-Dichloropropene	75					Compound Not Detected.	
Ethyl Methacrylate	69					Compound Not Detected.	
1,1,2-Trichloroethane	97					Compound Not Detected.	
1,3-Dichloropropane	76					Compound Not Detected.	
Tetrachloroethene	164					Compound Not Detected.	
2-Hexanone	43					Compound Not Detected.	
Dibromochloromethane	129					Compound Not Detected.	
1,2-Dibromoethane	107					Compound Not Detected.	
Chlorobenzene	112					Compound Not Detected.	
1,1,1,2-Tetrachloroethane	131					Compound Not Detected.	
Ethylbenzene	106					Compound Not Detected.	
m + p-Xylene	106					Compound Not Detected.	
Xylenes (total)	106					Compound Not Detected.	
Xylene-o	106					Compound Not Detected.	
Styrene	104					Compound Not Detected.	

Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24408.D
Report Date: 06-Oct-2004 10:35

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
66 Bromoform	----	173	--	-----	-----	-----	-----
67 Isopropylbenzene		105				Compound Not Detected.	
68 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
69 1,4-Dichloro-2-butene		53				Compound Not Detected.	
70 1,2,3-Trichloropropane		110				Compound Not Detected.	
71 Bromobenzene		156				Compound Not Detected.	
72 n-Propylbenzene		120				Compound Not Detected.	
73 2-Chlorotoluene		126				Compound Not Detected.	
74 1,3,5-Trimethylbenzene		105				Compound Not Detected.	
75 4-Chlorotoluene		126				Compound Not Detected.	
76 tert-Butylbenzene		119				Compound Not Detected.	
77 1,2,4-Trimethylbenzene		105				Compound Not Detected.	
78 sec-Butylbenzene		105				Compound Not Detected.	
79 4-Isopropyltoluene		119				Compound Not Detected.	
80 1,3-Dichlorobenzene		146				Compound Not Detected.	
81 1,4-Dichlorobenzene		146				Compound Not Detected.	
82 n-Butylbenzene		91				Compound Not Detected.	
83 1,2-Dichlorobenzene		146				Compound Not Detected.	
84 1,2-Dibromo-3-chloropropane		157				Compound Not Detected.	
85 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
86 Hexachlorobutadiene		225				Compound Not Detected.	
87 Naphthalene		128				Compound Not Detected.	
88 1,2,3-Trichlorobenzene		180				Compound Not Detected.	
14 Dichlorofluoromethane		67				Compound Not Detected.	
89 Ethyl Ether		59				Compound Not Detected.	
91 3-Chloropropene		76				Compound Not Detected.	
92 Isopropyl Ether		87				Compound Not Detected.	
93 2-Chloro-1,3-butadiene		53				Compound Not Detected.	
94 Propionitrile		54				Compound Not Detected.	
95 Ethyl Acetate		43				Compound Not Detected.	
96 Methacrylonitrile		41				Compound Not Detected.	
97 Isobutanol		41				Compound Not Detected.	
99 n-Butanol		56				Compound Not Detected.	
100 Methyl Methacrylate		41				Compound Not Detected.	
101 2-Nitropropane		41				Compound Not Detected.	
103 Cyclohexanone		55				Compound Not Detected.	
98 Cyclohexane		56				Compound Not Detected.	
143 Methyl Acetate		43				Compound Not Detected.	
144 Methylcyclohexane		83				Compound Not Detected.	
141 1,3,5-Trichlorobenzene		180				Compound Not Detected.	

Data File: \\qcanoh04\dd\chem\MSV\s3ux11.i\J41005A.b\UXJ24408.D

Date : 05-OCT-2004 14:40

Client ID: DW001/092804

Instrument: s3ux11.i

Sample Info: GRD9H1AA,5ML/5ML

Purge Volume: 5.0

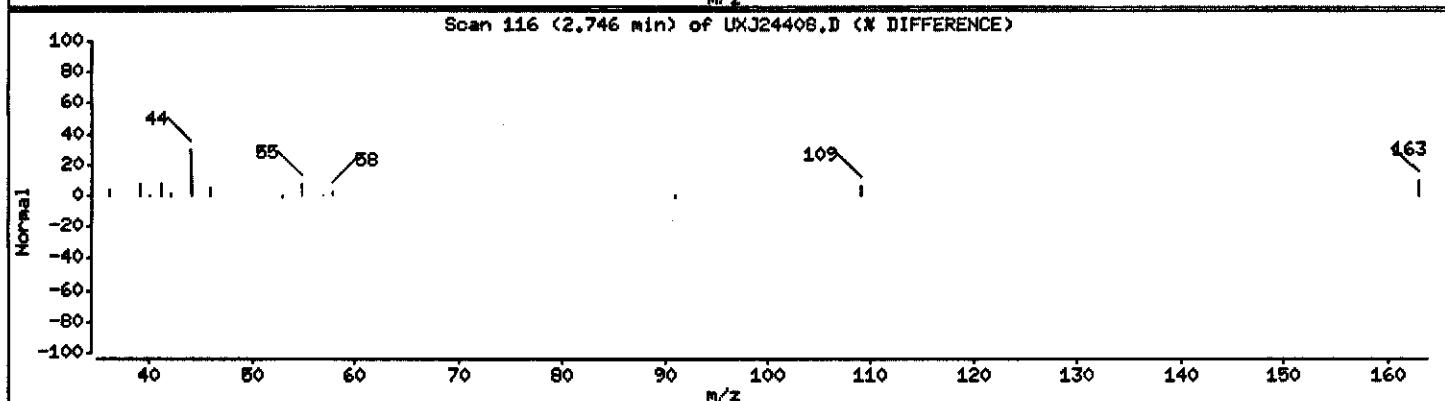
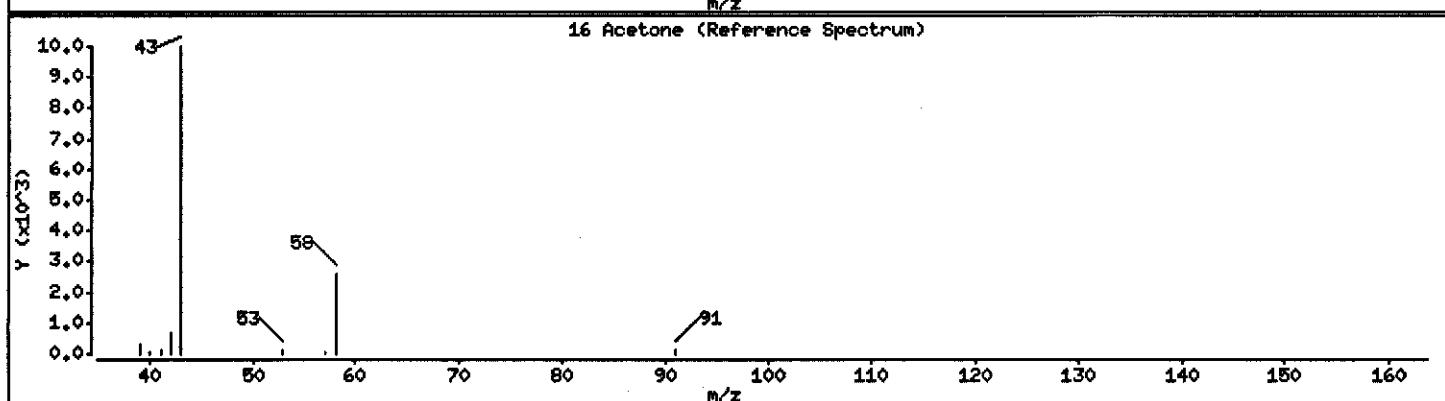
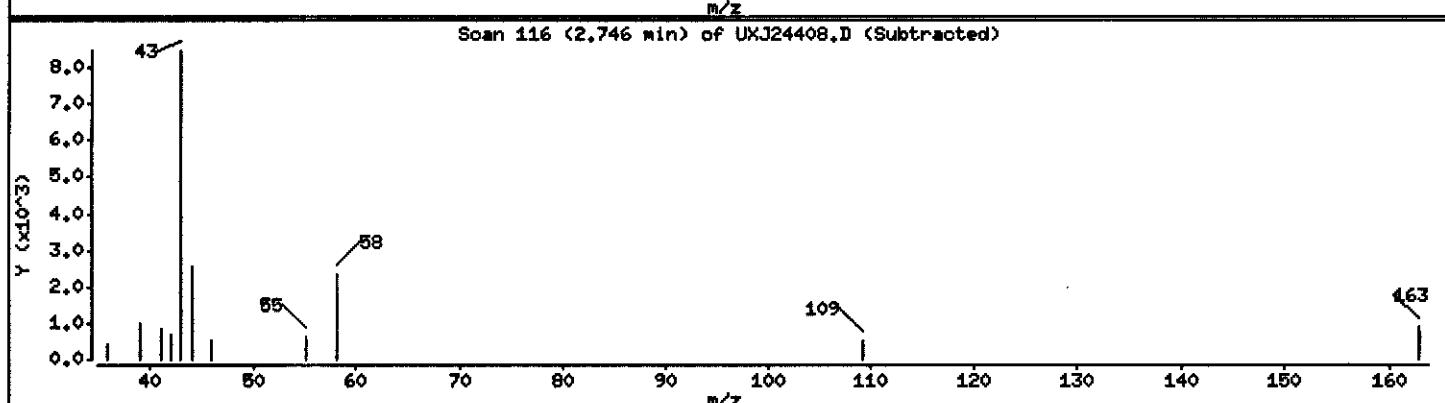
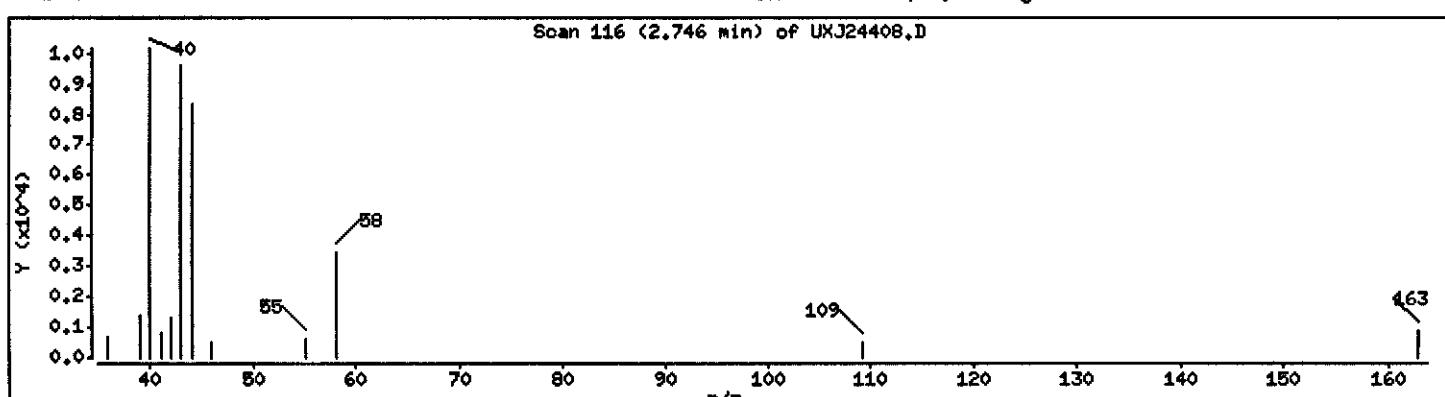
Operator: 43582

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 0.9309 ug/L



Data File: \\qoanch04\dd\chem\MSV\#3ux11.i\J41005A.b\UXJ24408.D

Date : 05-OCT-2004 14:40

Client ID: DW001/092804

Instrument: #3ux11.i

Sample Info: GRD9H1AA,5ML/5ML

Purge Volume: 5.0

Operator: 43582

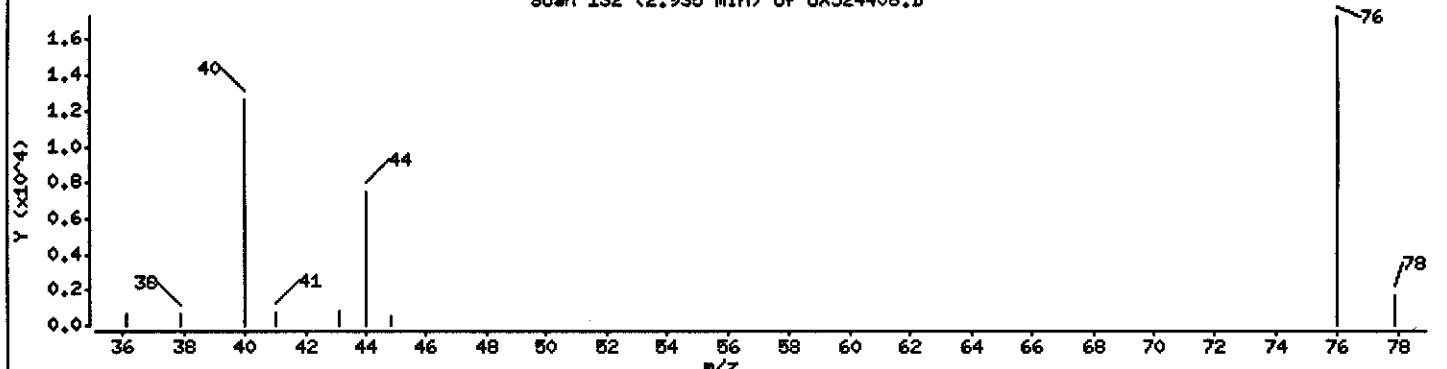
Column phase: DB624

Column diameter: 0.18

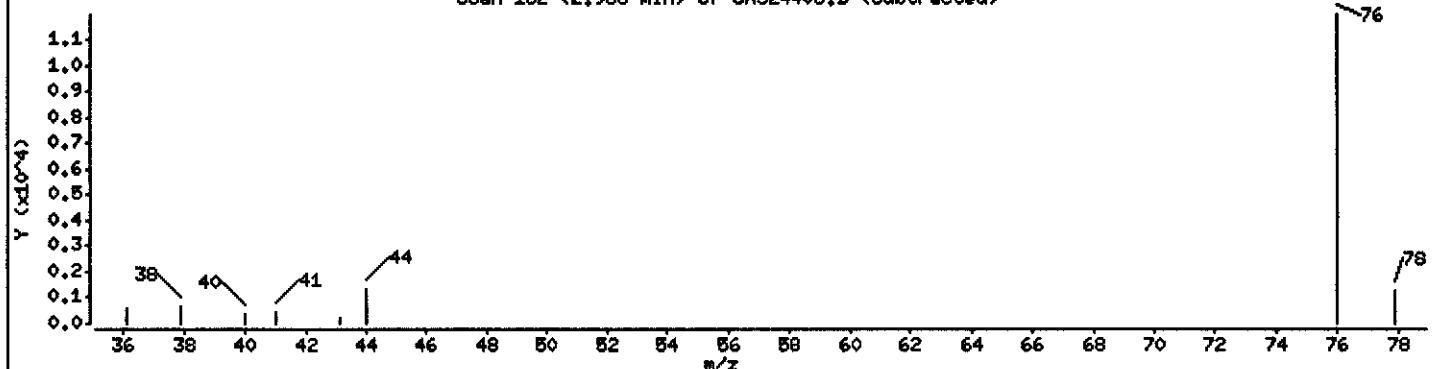
20 Carbon Disulfide

Concentration: 0.7897 ug/L

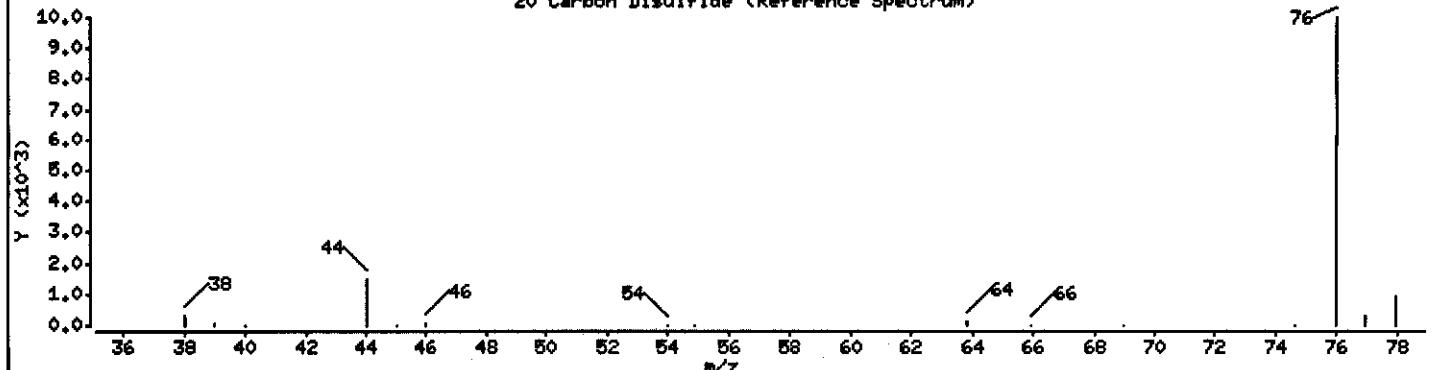
Scan 132 (2.935 min) of UXJ24408.D



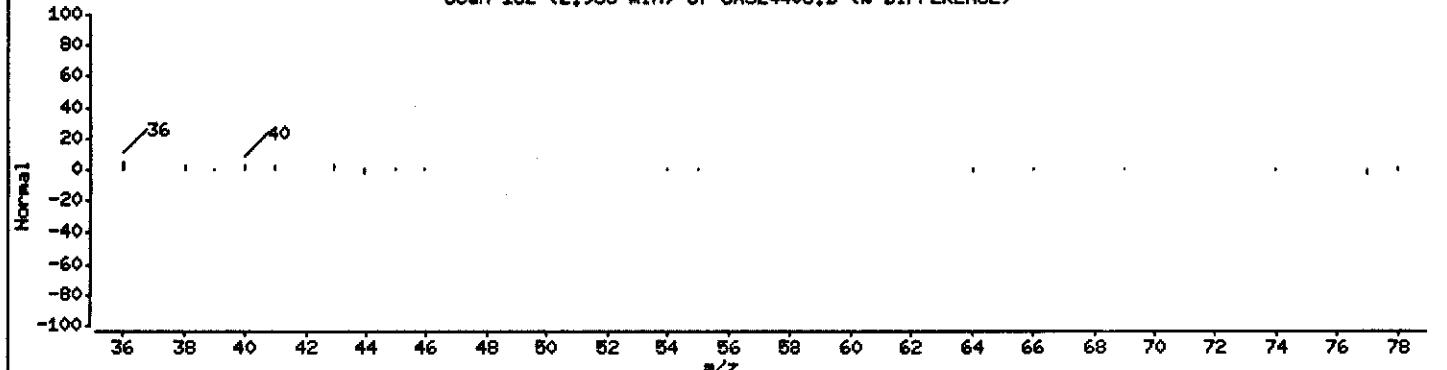
Scan 132 (2.935 min) of UXJ24408.D (Subtracted)



20 Carbon Disulfide (Reference Spectrum)



Scan 132 (2.935 min) of UXJ24408.D (% DIFFERENCE)



Data File: \\qcanoh04\dd\chem\MSV\s3ux11.i\J41005A.b\UXJ24408.D

Date : 05-OCT-2004 14:40

Client ID: DW001/092804

Instrument: s3ux11.i

Sample Info: GRD9H1AA,5ML/5ML

Purge Volume: 5.0

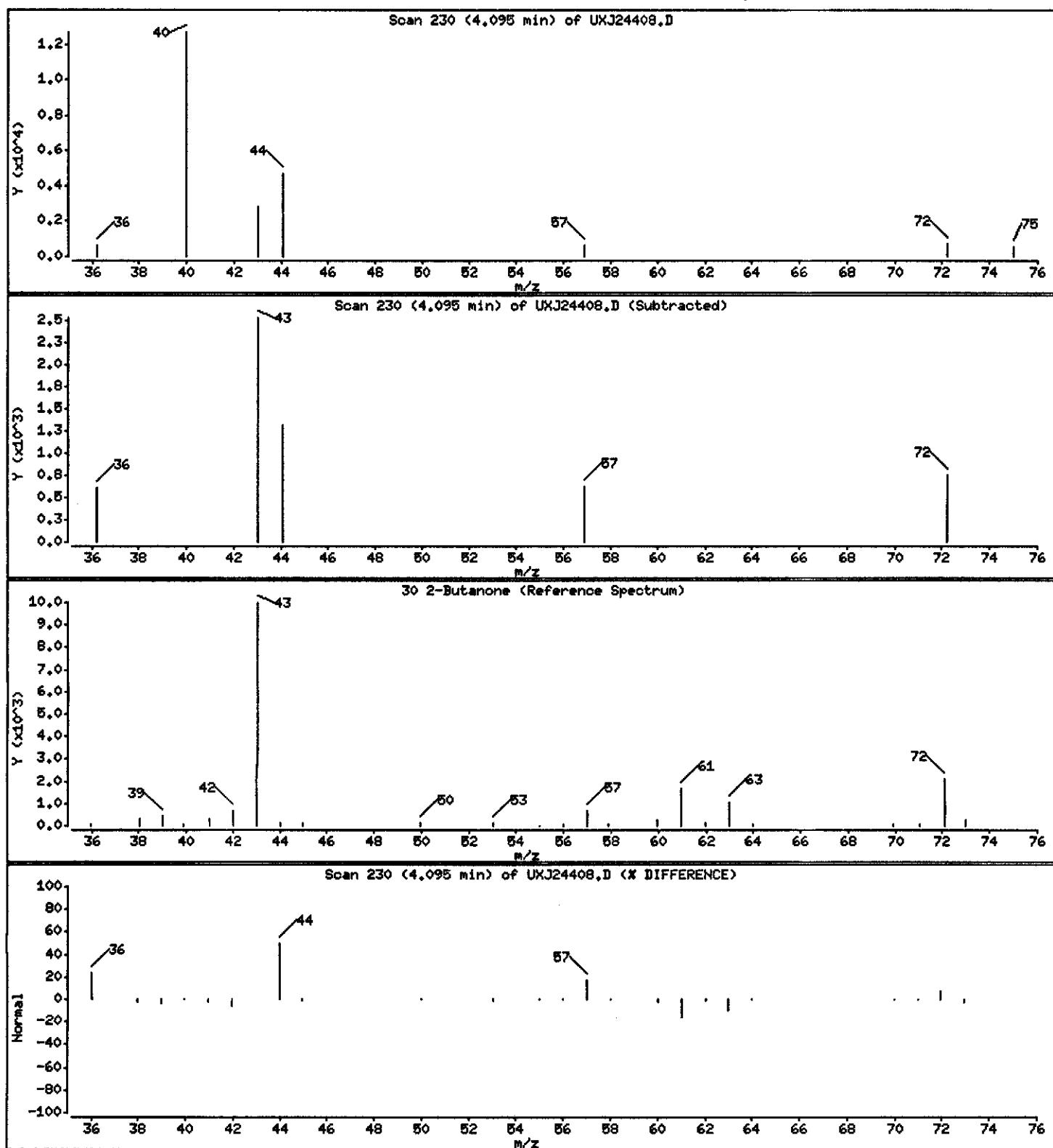
Operator: 43582

Column phase: DB624

Column diameter: 0.18

30 2-Butanone

Concentration: 0.4427 ug/L



PAYNE FIRM INC.

Client Sample ID: WRPZ05/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-005 Work Order #....: GRD9M1AA Matrix.....: WG
 Date Sampled....: 09/28/04 09:55 Date Received...: 09/29/04
 Prep Date.....: 10/05/04 Analysis Date...: 10/05/04
 Prep Batch #....: 4279319
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol.: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	1.4	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	52	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ05/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-005 Work Order #....: GRD9M1AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY</u>
		<u>LIMITS</u>
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

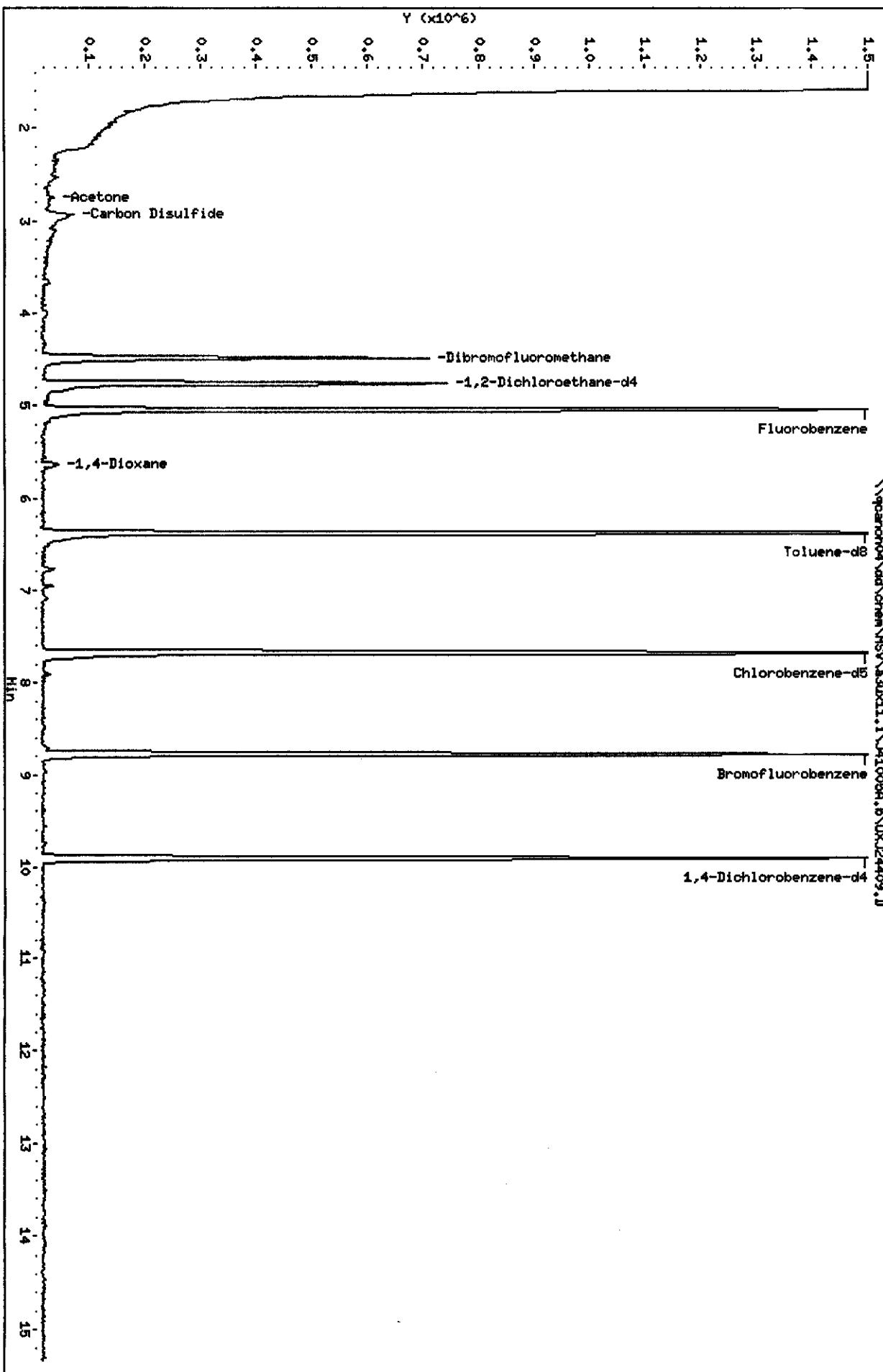
Data File: \\pcanpho4\\chem\\HSV\\a3ux11.i\\J41005A.b\\LK124409.D
Date : 05-OCT-2004 15:04

Client ID: WRPZ06/092804
Sample Info: GR05H1AA 5ML/5ML

Purge Volume: 5.0
Column phase: Di6e24

Instrument: a3ux11.i
Operator: 43592
Column diameter: 0.18

\\pcanpho4\\chem\\HSV\\a3ux11.i\\J41005A.b\\LK124409.D



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24409.D
Lab Smp Id: GRD9M1AA Client Smp ID: WRPZ05/092804
Inj Date : 05-OCT-2004 15:04
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GRD9M1AA, 5ML/5ML
Misc Info : J41005A, 8260LLUX11,, 43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
* 1 Fluorobenzene	96	5.041	5.041 (1.000)	1869351	50.0000			
* 2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1517251	50.0000			
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	671517	50.0000			
\$ 4 Dibromofluoromethane	113	4.485	4.485 (0.890)	491266	56.4448	11.289		
\$ 5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	643443	53.7637	10.753		
\$ 6 Toluene-d8	98	6.378	6.378 (0.831)	1692133	46.4229	9.284		
\$ 7 Bromofluorobenzene	95	8.780	8.780 (1.143)	682290	44.0544	8.811		
8 Dichlorodifluoromethane	85		Compound Not Detected.					
9 Chloromethane	50		Compound Not Detected.					
10 Vinyl Chloride	62		Compound Not Detected.					
11 Bromomethane	94		Compound Not Detected.					
12 Chloroethane	64		Compound Not Detected.					
13 Trichlorofluoromethane	101		Compound Not Detected.					
15 Acrolein	56		Compound Not Detected.					
16 Acetone	43	2.757	2.745 (0.547)	32001	2.68153	0.5363		
17 1,1-Dichloroethene	96		Compound Not Detected.					
18 Freon-113	151		Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24409.D
 Report Date: 06-Oct-2004 10:36

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
19 Iodomethane	142					Compound Not Detected.	
20 Carbon Disulfide	76		2.935	2.923 (0.582)		219368	7.02485 1.405
21 Methylene Chloride	84					Compound Not Detected.	
22 Acetonitrile	41					Compound Not Detected.	
23 Acrylonitrile	53					Compound Not Detected.	
24 Methyl tert-butyl ether	73					Compound Not Detected.	
25 trans-1,2-Dichloroethene	96					Compound Not Detected.	
26 Hexane	86					Compound Not Detected.	
27 Vinyl acetate	43					Compound Not Detected.	
28 1,1-Dichloroethane	63					Compound Not Detected.	
29 tert-Butyl Alcohol	59					Compound Not Detected.	
30 2-Butanone	43					Compound Not Detected.	
M 31 1,2-Dichloroethene (total)	96					Compound Not Detected.	
32 cis-1,2-dichloroethene	96					Compound Not Detected.	
33 2,2-Dichloropropane	77					Compound Not Detected.	
34 Bromochloromethane	128					Compound Not Detected.	
35 Chloroform	83					Compound Not Detected.	
36 Tetrahydrofuran	42					Compound Not Detected.	
37 1,1,1-Trichloroethane	97					Compound Not Detected.	
38 1,1-Dichloropropene	75					Compound Not Detected.	
39 Carbon Tetrachloride	117					Compound Not Detected.	
40 1,2-Dichloroethane	62					Compound Not Detected.	
41 Benzene	78					Compound Not Detected.	
42 Trichloroethene	130					Compound Not Detected.	
43 1,2-Dichloropropane	63					Compound Not Detected.	
44 1,4-Dioxane	88	5.633	5.633 (1.117)			23516	258.408 51.682 (A)
45 Dibromomethane	93					Compound Not Detected.	
46 Bromodichloromethane	83					Compound Not Detected.	
47 2-Chloroethyl vinyl ether	63					Compound Not Detected.	
48 cis-1,3-Dichloropropene	75					Compound Not Detected.	
49 4-Methyl-2-pentanone	43					Compound Not Detected.	
50 Toluene	91					Compound Not Detected.	
51 trans-1,3-Dichloropropene	75					Compound Not Detected.	
52 Ethyl Methacrylate	69					Compound Not Detected.	
53 1,1,2-Trichloroethane	97					Compound Not Detected.	
54 1,3-Dichloropropane	76					Compound Not Detected.	
55 Tetrachloroethene	164					Compound Not Detected.	
56 2-Hexanone	43					Compound Not Detected.	
57 Dibromochloromethane	129					Compound Not Detected.	
58 1,2-Dibromoethane	107					Compound Not Detected.	
59 Chlorobenzene	112					Compound Not Detected.	
60 1,1,1,2-Tetrachloroethane	131					Compound Not Detected.	
61 Ethylbenzene	106					Compound Not Detected.	
62 m + p-Xylene	106					Compound Not Detected.	
M 63 Xylenes (total)	106					Compound Not Detected.	
64 Xylene-o	106					Compound Not Detected.	
65 Styrene	104					Compound Not Detected.	

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
66 Bromoform	----	173	---	-----	-----	-----	-----
67 Isopropylbenzene	105						
68 1,1,2,2-Tetrachloroethane	83						
69 1,4-Dichloro-2-butene	53						
70 1,2,3-Trichloropropane	110						
71 Bromobenzene	156						
72 n-Propylbenzene	120						
73 2-Chlorotoluene	126						
74 1,3,5-Trimethylbenzene	105						
75 4-Chlorotoluene	126						
76 tert-Butylbenzene	119						
77 1,2,4-Trimethylbenzene	105						
78 sec-Butylbenzene	105						
79 4-Isopropyltoluene	119						
80 1,3-Dichlorobenzene	146						
81 1,4-Dichlorobenzene	146						
82 n-Butylbenzene	91						
83 1,2-Dichlorobenzene	146						
84 1,2-Dibromo-3-chloropropane	157						
85 1,2,4-Trichlorobenzene	180						
86 Hexachlorobutadiene	225						
87 Naphthalene	128						
88 1,2,3-Trichlorobenzene	180						
14 Dichlorofluoromethane	67						
89 Ethyl Ether	59						
91 3-Chloropropene	76						
92 Isopropyl Ether	87						
93 2-Chloro-1,3-butadiene	53						
94 Propionitrile	54						
95 Ethyl Acetate	43						
96 Methacrylonitrile	41						
97 Isobutanol	41						
99 n-Butanol	56						
100 Methyl Methacrylate	41						
101 2-Nitropropane	41						
103 Cyclohexanone	55						
98 Cyclohexane	56						
143 Methyl Acetate	43						
144 Methylcyclohexane	83						
141 1,3,5-Trichlorobenzene	180						

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24409.D

Date : 05-OCT-2004 15:04

Client ID: WRPZ05/092804

Instrument: z3ux11.i

Sample Info: GRD9M1AA,5ML/5ML

Purge Volume: 5.0

Operator: 43662

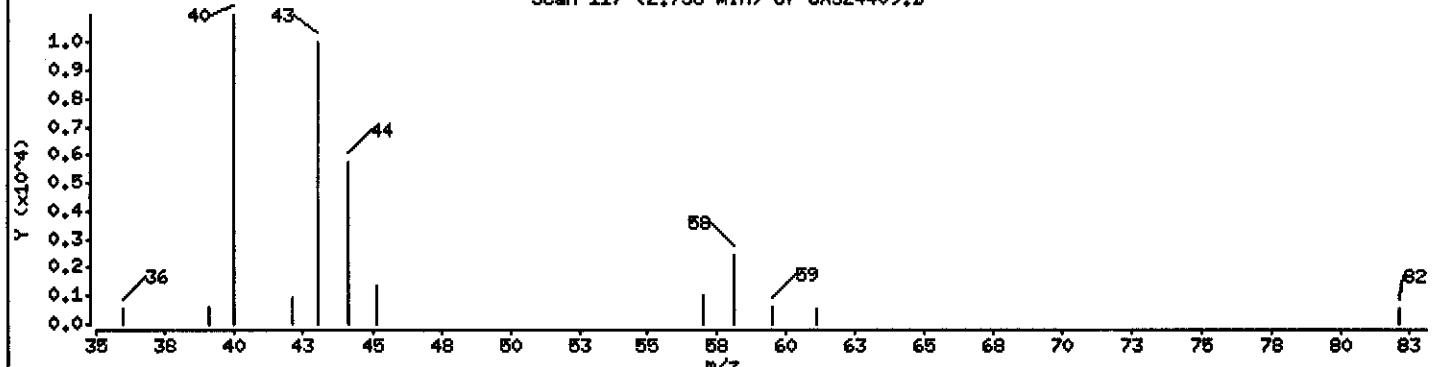
Column phase: DB624

Column diameter: 0.18

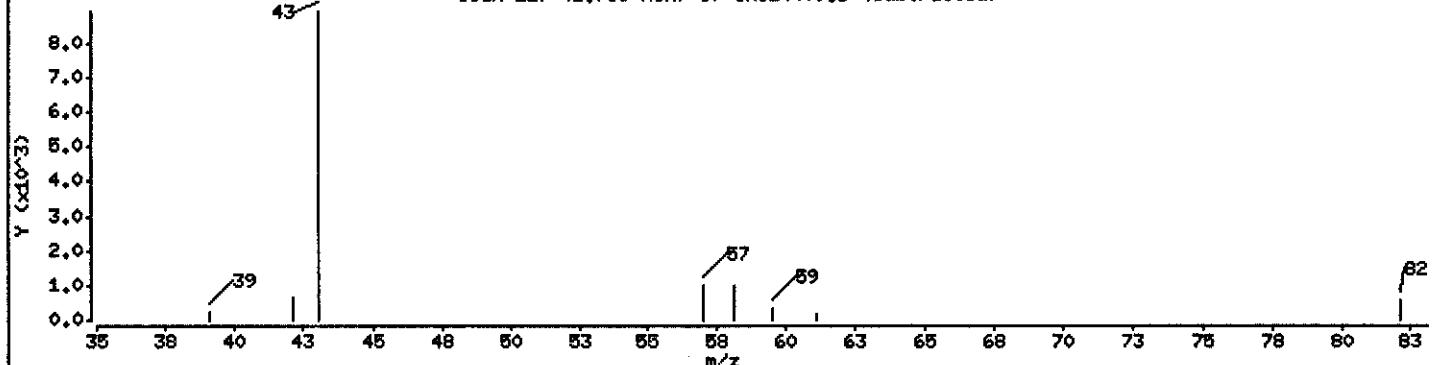
16 Acetone

Concentration: 0.5363 ug/L

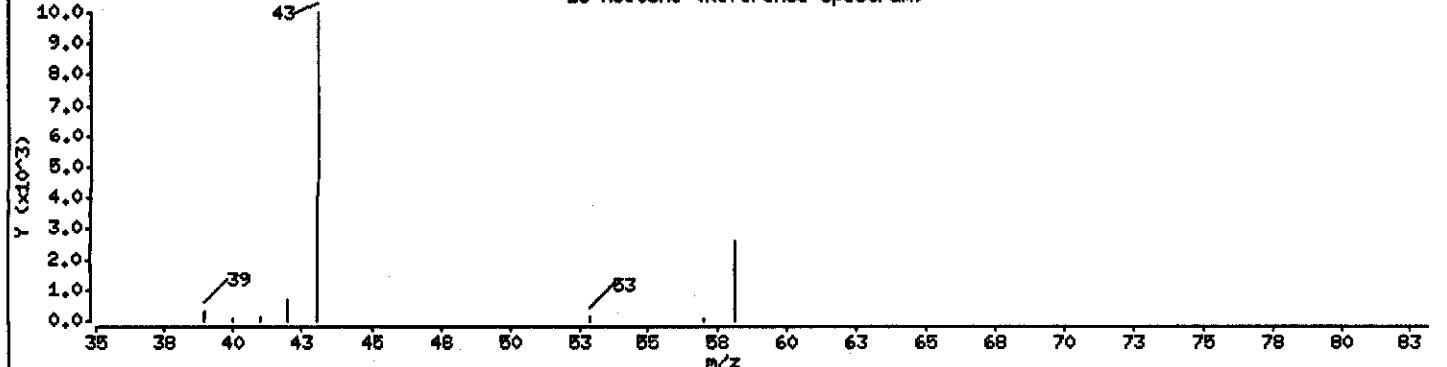
Scan 117 (2.758 min) of UXJ24409.D



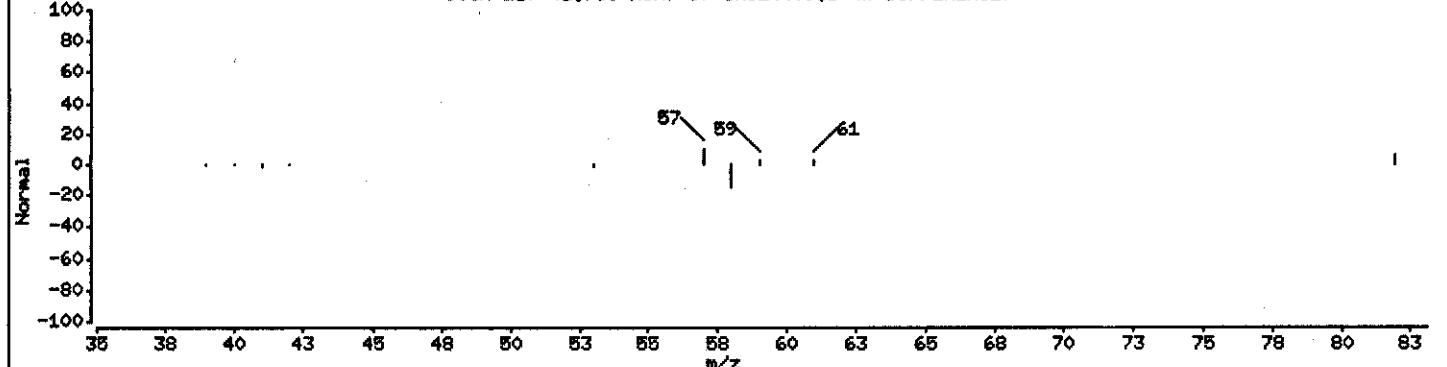
Scan 117 (2.758 min) of UXJ24409.D (Subtracted)



16 Acetone (Reference Spectrum)



Scan 117 (2.758 min) of UXJ24409.D (% DIFFERENCE)



Data File: \\qcanoh04\dd\chem\MSV\s3ux11.i\J41005A.b\UXJ24409.D

Date : 05-OCT-2004 15:04

Client ID: WRPZ05/092804

Instrument: s3ux11.i

Sample Info: GRD9M1AA,5ML/5ML

Purge Volume: 5.0

Operator: 43582

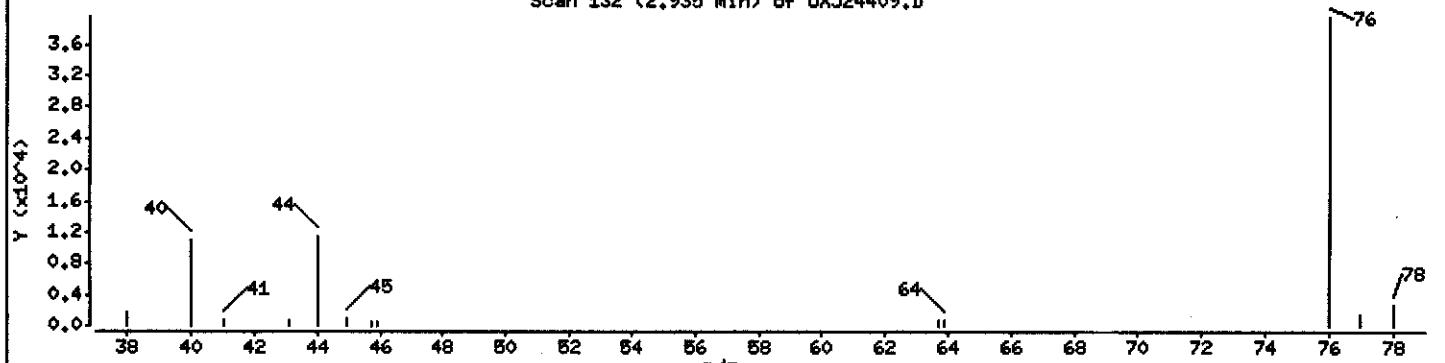
Column phases: DB624

Column diameter: 0.18

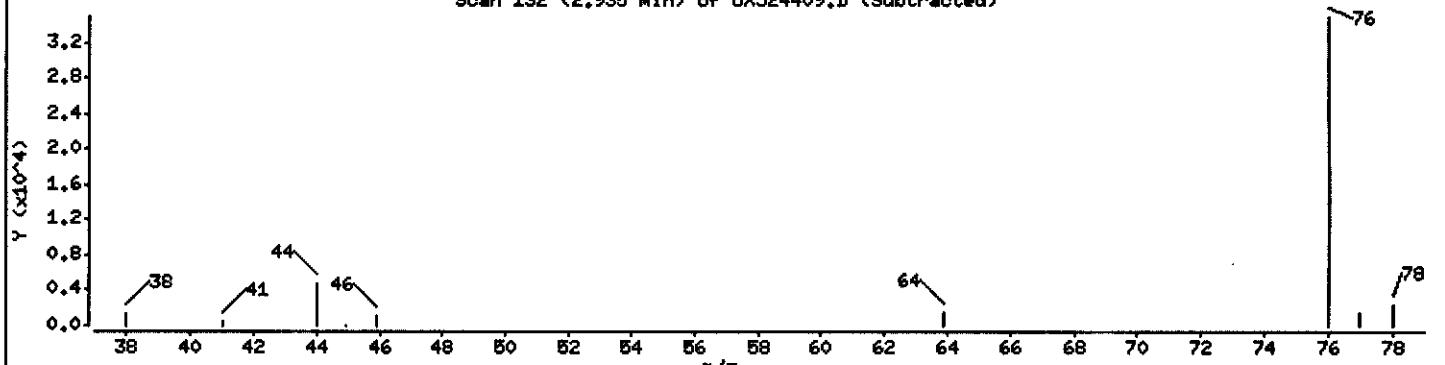
20 Carbon Disulfide

Concentration: 1.405 ug/L

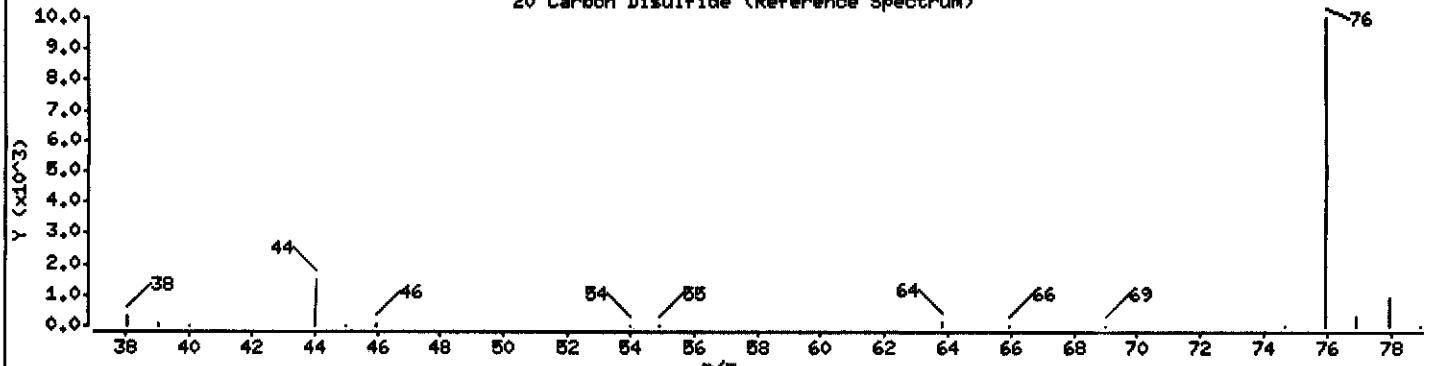
Scan 132 (2.935 min) of UXJ24409.D



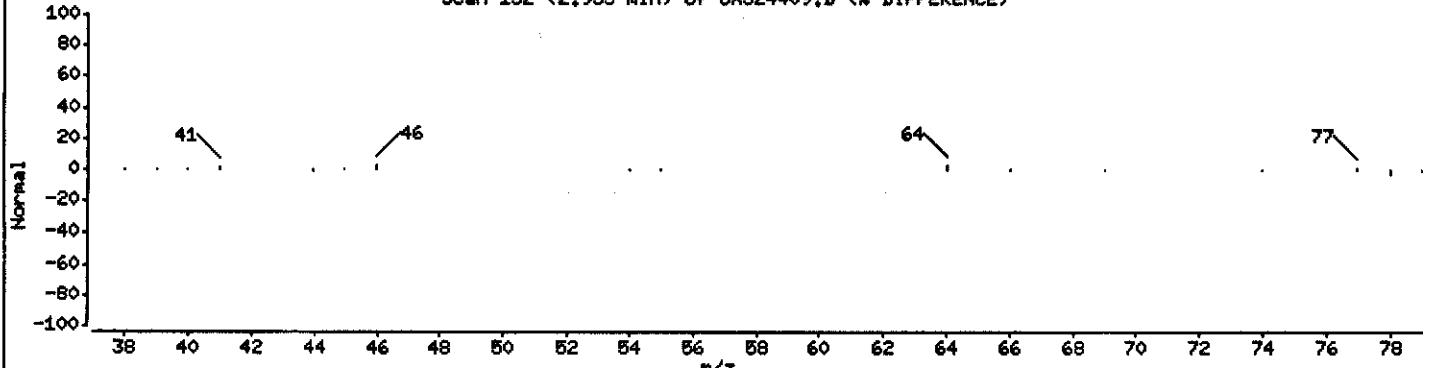
Scan 132 (2.935 min) of UXJ24409.D (Subtracted)



20 Carbon Disulfide (Reference Spectrum)



Scan 132 (2.935 min) of UXJ24409.D (% DIFFERENCE)



Data File: \\qcanch04\dd\chem\MSV\s3ux11.i\J41005A.b\UXJ24409.D

Date : 05-OCT-2004 15:04

Client ID: WRPZ05/092804

Instrument: s3ux11.i

Sample Info: GRD9M1AA,5ML/5ML

Purge Volume: 5.0

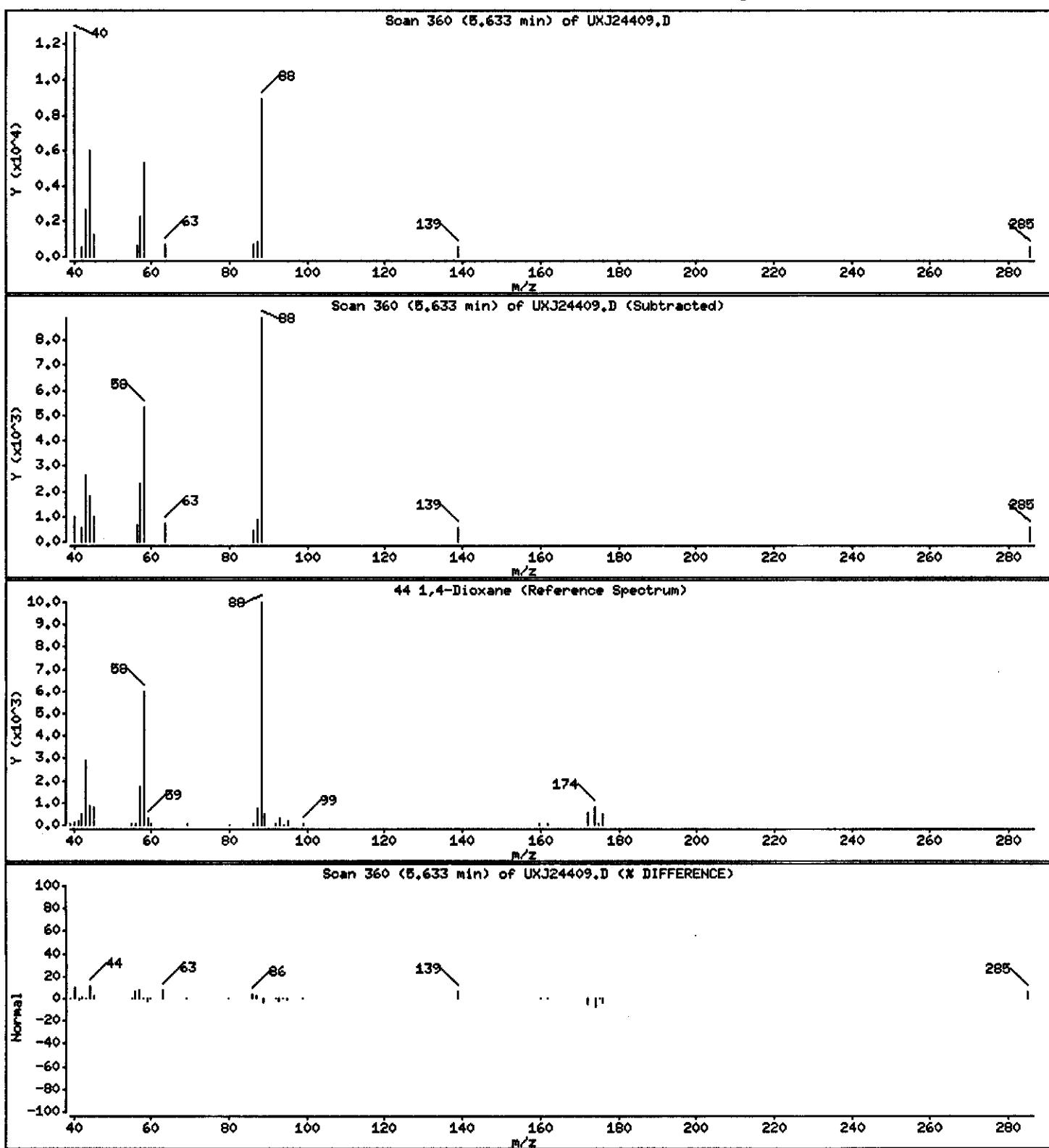
Operator: 43582

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 51.682 ug/L



PAYNE FIRM INC.

Client Sample ID: WRPZ10/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-006 Work Order #....: GRD9V1AA Matrix.....: WG
 Date Sampled....: 09/28/04 10:25 Date Received...: 09/29/04
 Prep Date.....: 10/05/04 Analysis Date...: 10/05/04
 Prep Batch #....: 4279319
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	1.3 J	10	ug/L
Acetonitrile	3.0 J	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	0.41 J	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	0.17 J	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ10/092804

GC/MS Volatiles

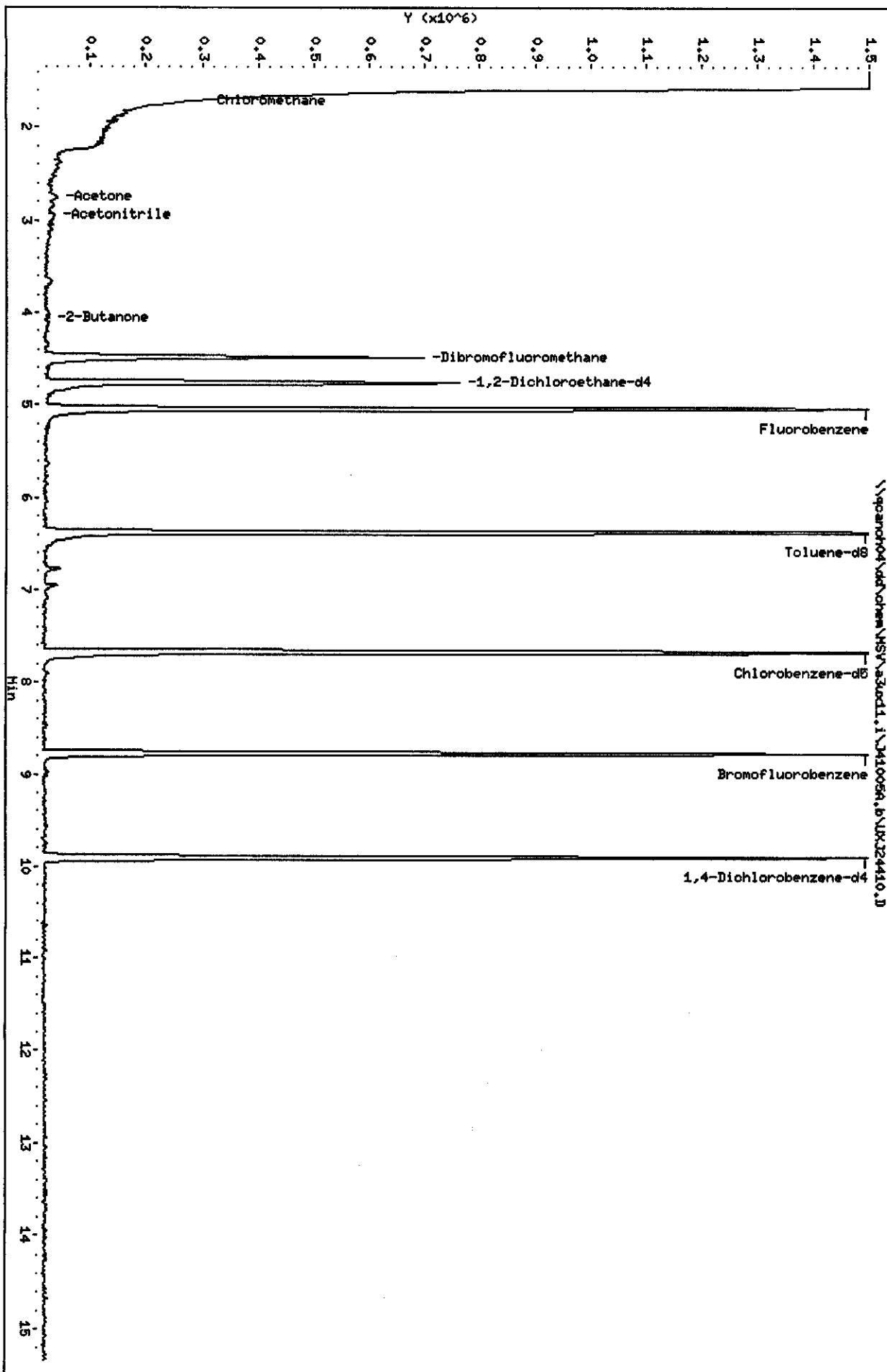
Lot-Sample #....: A4I290236-006 Work Order #....: GRD9V1AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	116	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.



Data File: \\pcanohd4\\dd\\chem\\HSV\\a3ux11.i\\J410059.b\\JK124410.D
 Date : 05-OCT-2004 15:27
 Client ID: WRPZ10\092804
 Sample Info: GRDPH16A, 5ML/5ML
 Purge Volume: 5.0
 Column phase: DB624

Instrument: a3ud1.i
 Operator: 43582
 Column diameter: 0.18
 \\pcanohd4\\dd\\chem\\HSV\\a3ud1.i\\J410059.b\\JK124410.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24410.D
Lab Smp Id: GRD9V1AA Client Smp ID: WRPZ10/092804
Inj Date : 05-OCT-2004 15:27
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GRD9V1AA, 5ML/5ML
Misc Info : J41005A, 8260LLUX11,, 43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
*	1 Fluorobenzene	96	5.041	5.041 (1.000)	1912218	50.0000		
*	2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1555291	50.0000		
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	687019	50.0000		
\$	4 Dibromofluoromethane	113	4.485	4.485 (0.890)	516806	58.0481	11.610	
\$	5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	676372	55.2482	11.050	
\$	6 Toluene-d8	98	6.378	6.378 (0.831)	1707849	45.7081	9.142	
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.143)	660769	41.6213	8.324	
8	Dichlorodifluoromethane	85		Compound Not Detected.				
9	Chloromethane	50	1.704	1.704 (0.338)	14945	0.83728	0.1674	
10	Vinyl Chloride	62		Compound Not Detected.				
11	Bromomethane	94		Compound Not Detected.				
12	Chloroethane	64		Compound Not Detected.				
13	Trichlorofluoromethane	101		Compound Not Detected.				
15	Acrolein	56		Compound Not Detected.				
16	Acetone	43	2.745	2.745 (0.545)	49158	6.67663	1.335	
17	1,1-Dichloroethene	96		Compound Not Detected.				
18	Freon-113	151		Compound Not Detected.				

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
19 Iodomethane	142					Compound Not Detected.	
20 Carbon Disulfide	76					Compound Not Detected.	
21 Methylene Chloride	84					Compound Not Detected.	
22 Acetonitrile	41	2.958	2.958 (0.587)			16989	14.9696 2.994
23 Acrylonitrile	53					Compound Not Detected.	
24 Methyl tert-butyl ether	73					Compound Not Detected.	
25 trans-1,2-Dichloroethene	96					Compound Not Detected.	
26 Hexane	86					Compound Not Detected.	
27 Vinyl acetate	43					Compound Not Detected.	
28 1,1-Dichloroethane	63					Compound Not Detected.	
29 tert-Butyl Alcohol	59					Compound Not Detected.	
30 2-Butanone	43	4.106	4.094 (0.815)			10866	2.07463 0.4149
M 31 1,2-Dichloroethene (total)	96					Compound Not Detected.	
32 cis-1,2-dichloroethene	96					Compound Not Detected.	
33 2,2-Dichloropropane	77					Compound Not Detected.	
34 Bromochloromethane	128					Compound Not Detected.	
35 Chloroform	83					Compound Not Detected.	
36 Tetrahydrofuran	42					Compound Not Detected.	
37 1,1,1-Trichloroethane	97					Compound Not Detected.	
38 1,1-Dichloropropene	75					Compound Not Detected.	
39 Carbon Tetrachloride	117					Compound Not Detected.	
40 1,2-Dichloroethane	62					Compound Not Detected.	
41 Benzene	78					Compound Not Detected.	
42 Trichloroethene	130					Compound Not Detected.	
43 1,2-Dichloropropane	63					Compound Not Detected.	
44 1,4-Dioxane	88					Compound Not Detected.	
45 Dibromomethane	93					Compound Not Detected.	
46 Bromodichloromethane	83					Compound Not Detected.	
47 2-Chloroethyl vinyl ether	63					Compound Not Detected.	
48 cis-1,3-Dichloropropene	75					Compound Not Detected.	
49 4-Methyl-2-pentanone	43					Compound Not Detected.	
50 Toluene	91					Compound Not Detected.	
51 trans-1,3-Dichloropropene	75					Compound Not Detected.	
52 Ethyl Methacrylate	69					Compound Not Detected.	
53 1,1,2-Trichloroethane	97					Compound Not Detected.	
54 1,3-Dichloropropane	76					Compound Not Detected.	
55 Tetrachloroethene	164					Compound Not Detected.	
56 2-Hexanone	43					Compound Not Detected.	
57 Dibromochloromethane	129					Compound Not Detected.	
58 1,2-Dibromoethane	107					Compound Not Detected.	
59 Chlorobenzene	112					Compound Not Detected.	
60 1,1,1,2-Tetrachloroethane	131					Compound Not Detected.	
61 Ethylbenzene	106					Compound Not Detected.	
62 m + p-Xylene	106					Compound Not Detected.	
M 63 Xylenes (total)	106					Compound Not Detected.	
64 Xylene-o	106					Compound Not Detected.	
65 Styrene	104					Compound Not Detected.	

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
66 Bromoform	----	173	--	-----	-----	-----	-----
67 Isopropylbenzene	105					Compound Not Detected.	
68 1,1,2,2-Tetrachloroethane	83					Compound Not Detected.	
69 1,4-Dichloro-2-butene	53					Compound Not Detected.	
70 1,2,3-Trichloropropane	110					Compound Not Detected.	
71 Bromobenzene	156					Compound Not Detected.	
72 n-Propylbenzene	120					Compound Not Detected.	
73 2-Chlorotoluene	126					Compound Not Detected.	
74 1,3,5-Trimethylbenzene	105					Compound Not Detected.	
75 4-Chlorotoluene	126					Compound Not Detected.	
76 tert-Butylbenzene	119					Compound Not Detected.	
77 1,2,4-Trimethylbenzene	105					Compound Not Detected.	
78 sec-Butylbenzene	105					Compound Not Detected.	
79 4-Isopropyltoluene	119					Compound Not Detected.	
80 1,3-Dichlorobenzene	146					Compound Not Detected.	
81 1,4-Dichlorobenzene	146					Compound Not Detected.	
82 n-Butylbenzene	91					Compound Not Detected.	
83 1,2-Dichlorobenzene	146					Compound Not Detected.	
84 1,2-Dibromo-3-chloropropane	157					Compound Not Detected.	
85 1,2,4-Trichlorobenzene	180					Compound Not Detected.	
86 Hexachlorobutadiene	225					Compound Not Detected.	
87 Naphthalene	128					Compound Not Detected.	
88 1,2,3-Trichlorobenzene	180					Compound Not Detected.	
14 Dichlorofluoromethane	67					Compound Not Detected.	
89 Ethyl Ether	59					Compound Not Detected.	
91 3-Chloropropene	76					Compound Not Detected.	
92 Isopropyl Ether	87					Compound Not Detected.	
93 2-Chloro-1,3-butadiene	53					Compound Not Detected.	
94 Propionitrile	54					Compound Not Detected.	
95 Ethyl Acetate	43					Compound Not Detected.	
96 Methacrylonitrile	41					Compound Not Detected.	
97 Isobutanol	41					Compound Not Detected.	
99 n-Butanol	56					Compound Not Detected.	
100 Methyl Methacrylate	41					Compound Not Detected.	
101 2-Nitropropane	41					Compound Not Detected.	
103 Cyclohexanone	55					Compound Not Detected.	
98 Cyclohexane	56					Compound Not Detected.	
143 Methyl Acetate	43					Compound Not Detected.	
144 Methylcyclohexane	83					Compound Not Detected.	
141 1,3,5-Trichlorobenzene	180					Compound Not Detected.	

Data File: \\qoanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24410.D

Date : 06-OCT-2004 15:27

Client ID: WRPZ10/092804

Instrument: z3ux11.i

Sample Info: CRD9V1AA,5ML/5ML

Purge Volume: 5.0

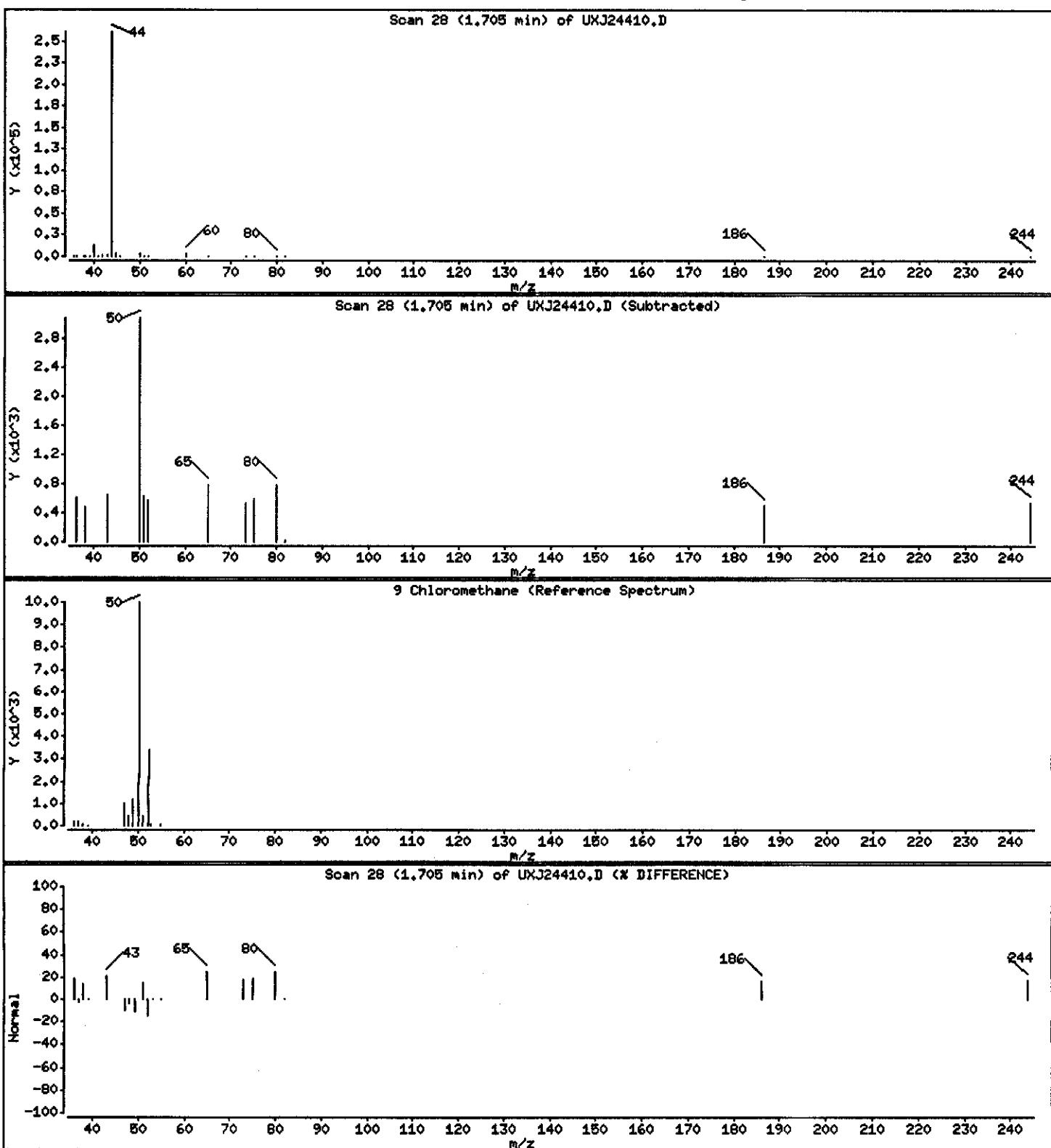
Operator: 43582

Column phase: DB624

Column diameter: 0.18

9 Chloromethane

Concentration: 0.1674 ug/L



Data File: \\qcanoh04\dd\chem\MSV\m3ux11.i\J41005A.b\UXJ24410.D

Date : 05-OCT-2004 15:27

Client ID: WRPZ10/092804

Instrument: m3ux11.i

Sample Info: CRD9V1AA,5ML/5ML

Purge Volume: 5.0

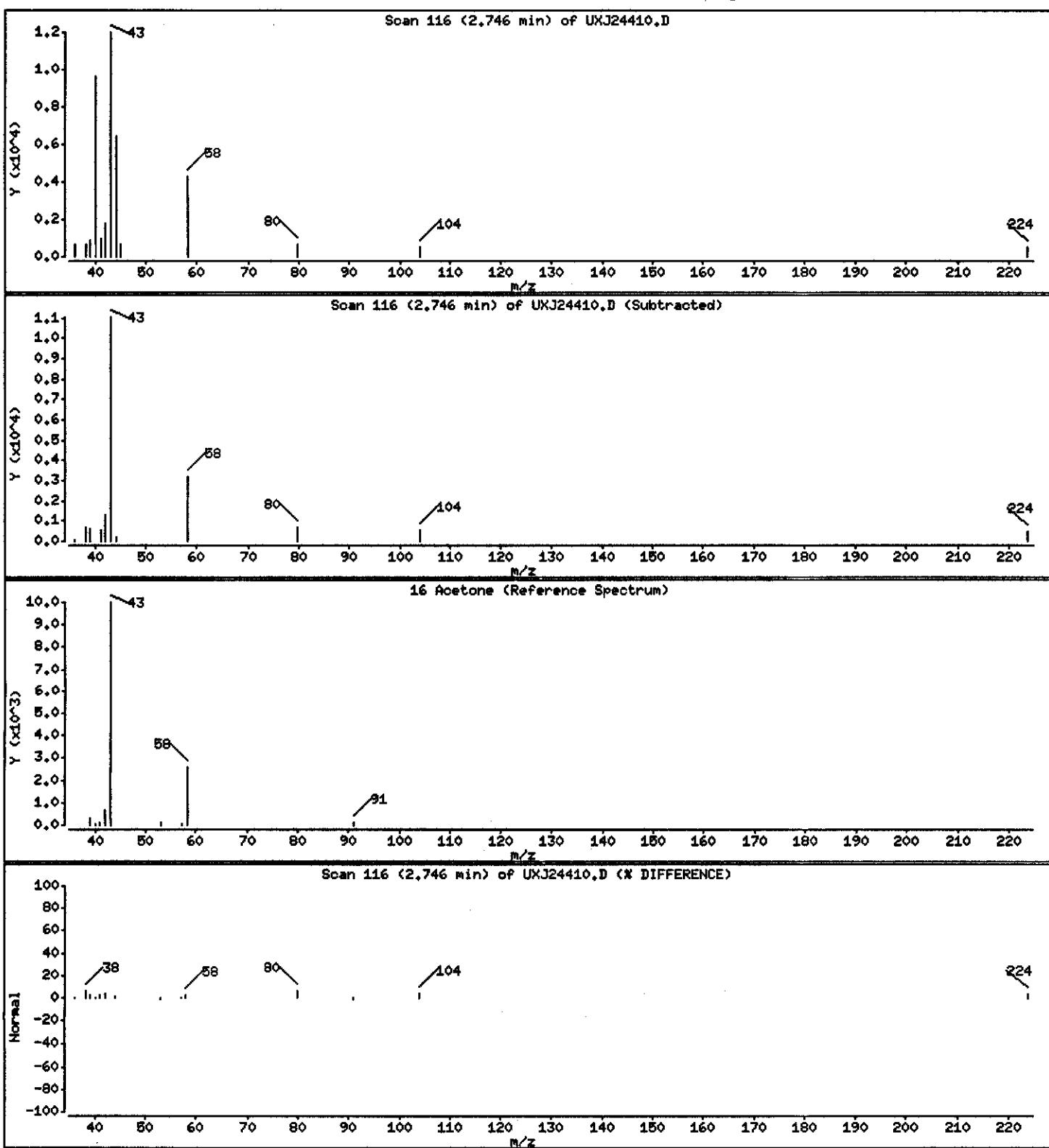
Operator: 43682

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 1.335 ug/L



Data File: \\qoanoh04\dd\chem\MSV\m3ux11.i\J41005A.b\UXJ24410.D

Date : 05-OCT-2004 15:27

Client ID: WRPZ10/092804

Instrument: m3ux11.i

Sample Info: GRD9V1AA,5ML/5ML

Purge Volume: 5.0

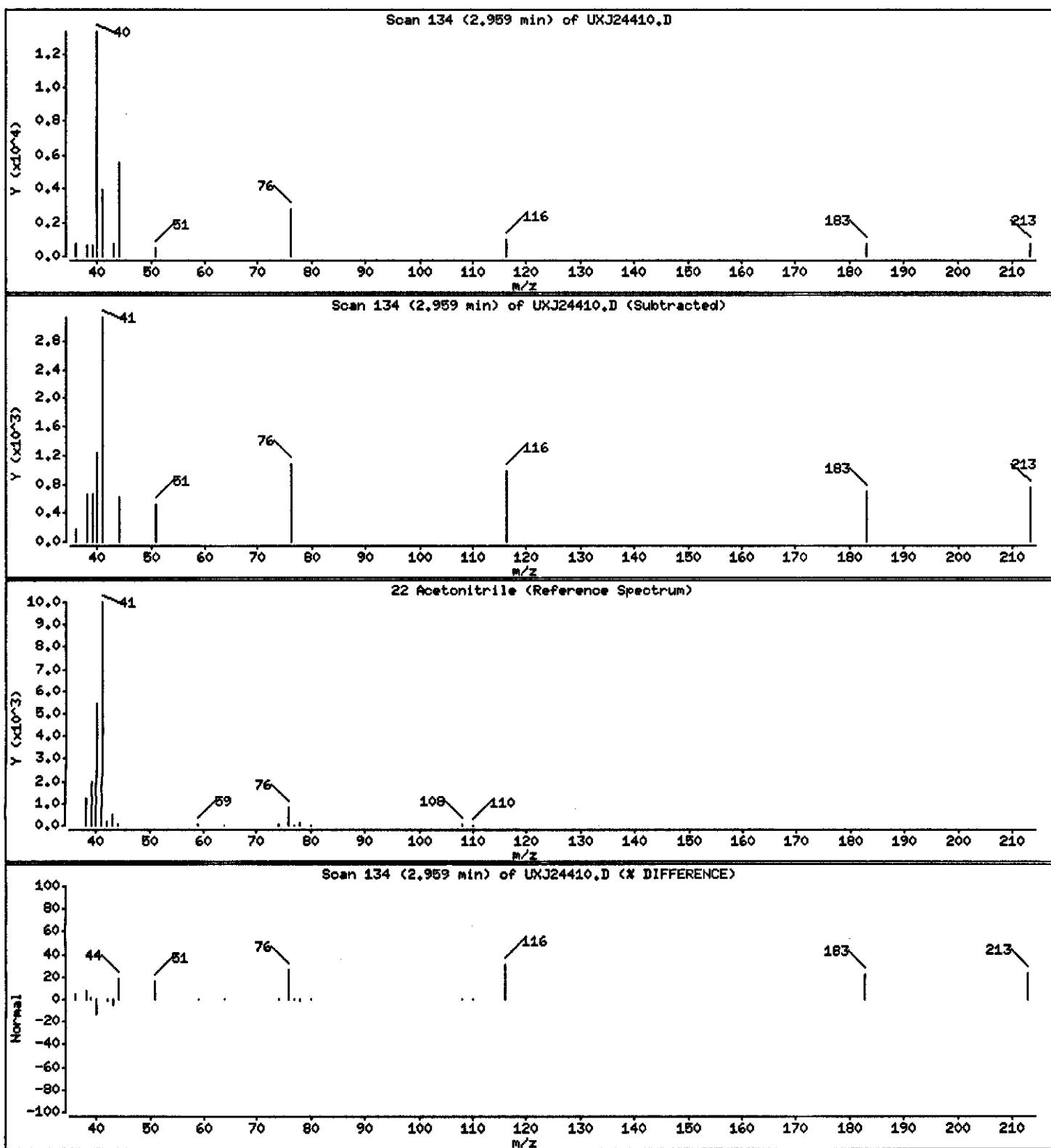
Operator: 43582

Column phase: DB624

Column diameter: 0.18

22 Acetonitrile

Concentration: 2.994 ug/L



Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24410.D

Date : 05-OCT-2004 15:27

Client ID: WRPZ10/092804

Instrument: z3ux11.i

Sample Info: GRD9V1AA,5ML/5ML

Purge Volume: 5.0

Operator: 43582

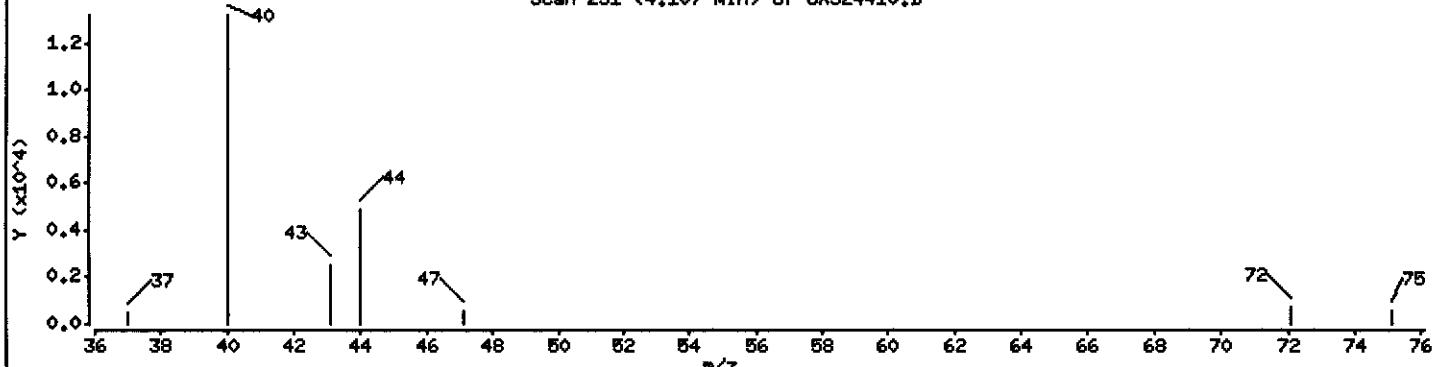
Column phase: DB624

Column diameter: 0.18

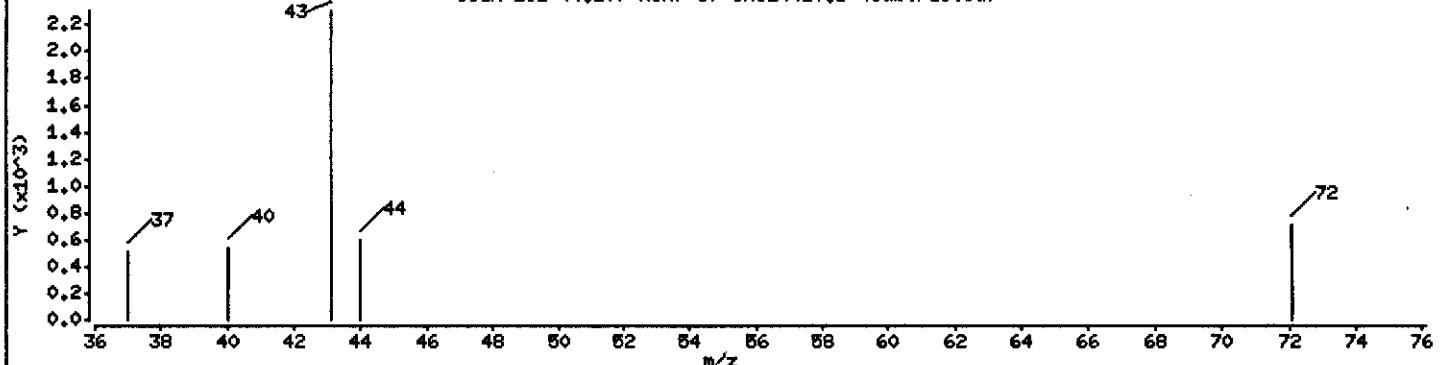
30 2-Butanone

Concentration: 0.4149 ug/L

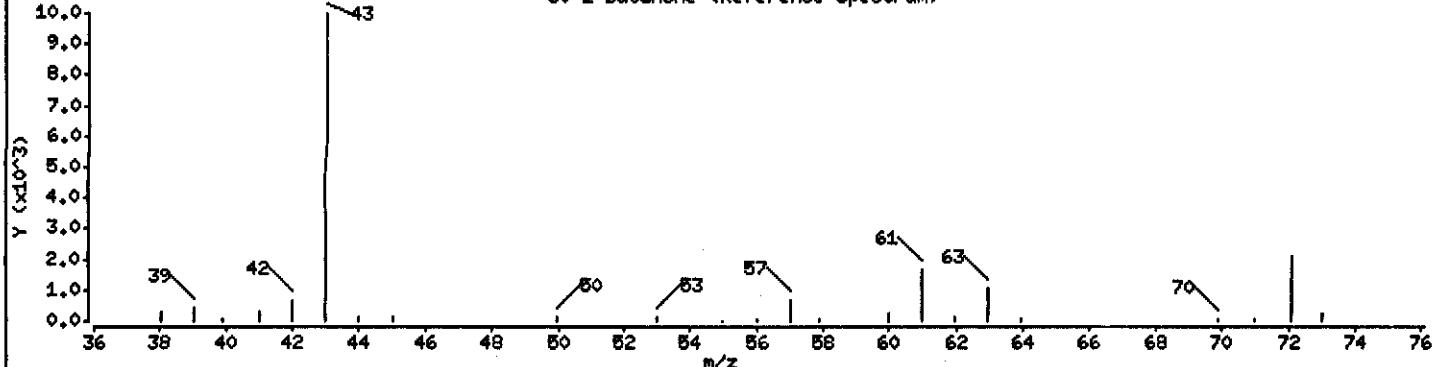
Scan 231 (4.107 min) of UXJ24410.D



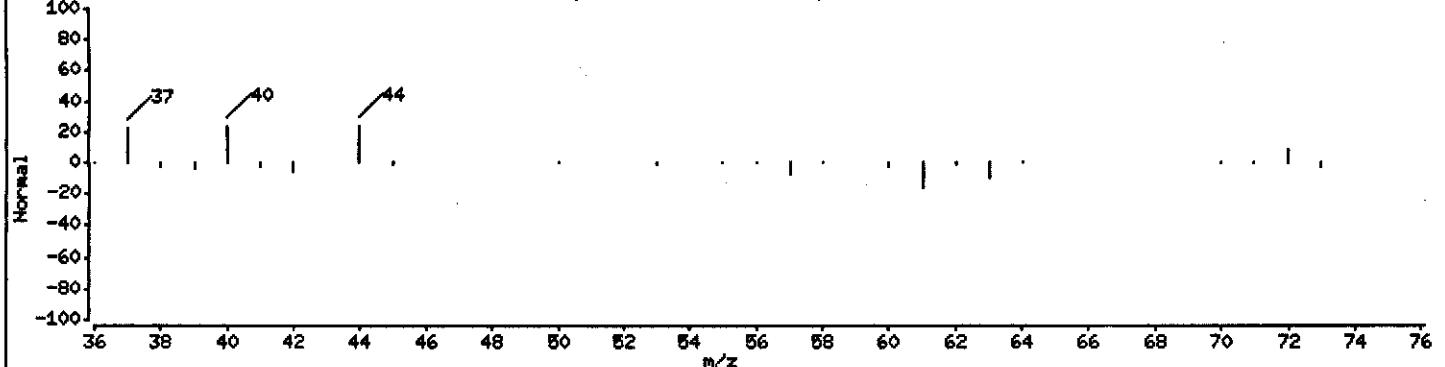
Scan 231 (4.107 min) of UXJ24410.D (Subtracted)



30 2-Butanone (Reference Spectrum)



Scan 231 (4.107 min) of UXJ24410.D (% DIFFERENCE)



PAYNE FIRM INC.

Client Sample ID: WRPZ15/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-007 Work Order #....: GRD921AA Matrix.....: WG
 Date Sampled....: 09/28/04 10:41 Date Received...: 09/29/04
 Prep Date.....: 10/05/04 Analysis Date...: 10/05/04
 Prep Batch #....: 4279319
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	1.5 J	10	ug/L
Acetonitrile	2.5 J	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	0.22 J	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ15/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-007 Work Order #....: GRD921AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

Data File: \\pcphd04\\chem\\HSV\\a3ud1.i\\J410059.b\\JNK32441.D
Date : 05-OCT-2004 15:50
Client ID: WRPZ5/092804

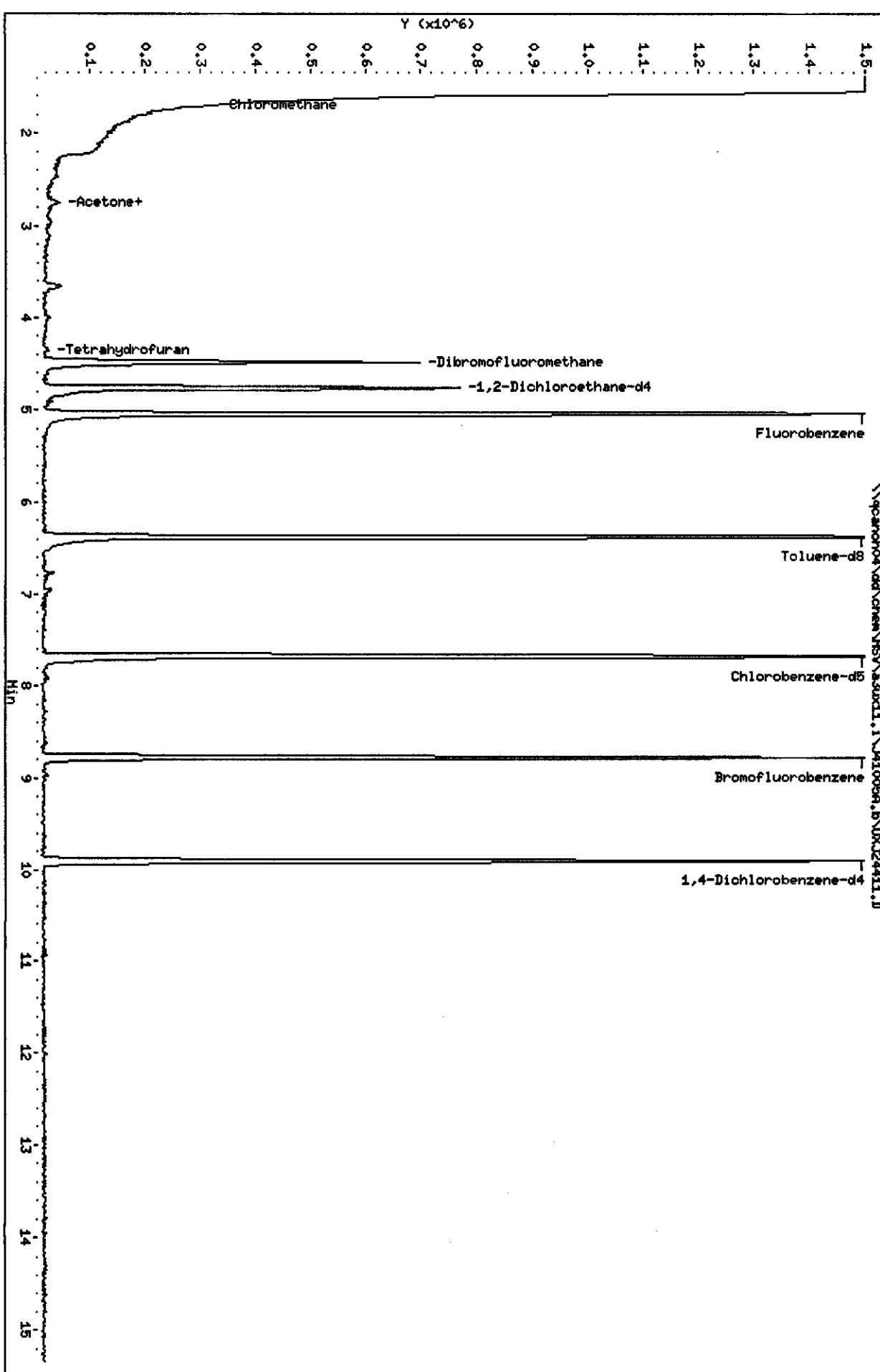
Sample Info: GR092400, 5ML/5ML
Purge Volume: 5.0
Column phase: JNB624

Instrument: a3ud1.i

Operator: 43582

Column diameter: 0.18

\\pcphd04\\chem\\HSV\\a3ud1.i\\J410059.b\\JNK32441.D



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24411.D
Lab Smp Id: GRD921AA Client Smp ID: WRPZ15/092804
Inj Date : 05-OCT-2004 15:50
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GRD921AA,5ML/5ML
Misc Info : J41005A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
*	1 Fluorobenzene	96	5.041	5.041 (1.000)	1865988	50.0000		
*	2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1533205	50.0000		
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	665216	50.0000		
\$	4 Dibromofluoromethane	113	4.485	4.485 (0.890)	494257	56.8908	11.378	
\$	5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	672340	56.2795	11.256	
\$	6 Toluene-d8	98	6.378	6.378 (0.831)	1699444	46.1383	9.228	
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.143)	654638	41.8291	8.366	
8	Dichlorodifluoromethane	85		Compound Not Detected.				
9	Chloromethane	50	1.692	1.704 (0.336)	19065	1.09457	0.2189	
10	Vinyl Chloride	62		Compound Not Detected.				
11	Bromomethane	94		Compound Not Detected.				
12	Chloroethane	64		Compound Not Detected.				
13	Trichlorofluoromethane	101		Compound Not Detected.				
15	Acrolein	56		Compound Not Detected.				
16	Acetone	43	2.757	2.745 (0.547)	51168	7.47469	1.495	
17	1,1-Dichloroethene	96		Compound Not Detected.				
18	Freon-113	151		Compound Not Detected.				

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24411.D
 Report Date: 06-Oct-2004 10:37

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
19 Iodomethane	----	142	---	-----	-----	Compound Not Detected.	
20 Carbon Disulfide		76				Compound Not Detected.	
21 Methylene Chloride		84				Compound Not Detected.	
22 Acetonitrile		41	2.970	2.958 (0.589)		13755	12.4203 2.484
23 Acrylonitrile		53				Compound Not Detected.	
24 Methyl tert-butyl ether		73				Compound Not Detected.	
25 trans-1,2-Dichloroethene		96				Compound Not Detected.	
26 Hexane		86				Compound Not Detected.	
27 Vinyl acetate		43				Compound Not Detected.	
28 1,1-Dichloroethane		63				Compound Not Detected.	
29 tert-Butyl Alcohol		59				Compound Not Detected.	
30 2-Butanone		43				Compound Not Detected.	
M 31 1,2-Dichloroethene (total)		96				Compound Not Detected.	
32 cis-1,2-dichloroethene		96				Compound Not Detected.	
33 2,2-Dichloropropane		77				Compound Not Detected.	
34 Bromochloromethane		128				Compound Not Detected.	
35 Chloroform		83				Compound Not Detected.	
36 Tetrahydrofuran		42	4.343	4.331 (0.862)		6849	2.58311 0.5166
37 1,1,1-Trichloroethane		97				Compound Not Detected.	
38 1,1-Dichloropropene		75				Compound Not Detected.	
39 Carbon Tetrachloride		117				Compound Not Detected.	
40 1,2-Dichloroethane		62				Compound Not Detected.	
41 Benzene		78				Compound Not Detected.	
42 Trichloroethene		130				Compound Not Detected.	
43 1,2-Dichloropropane		63				Compound Not Detected.	
44 1,4-Dioxane		88				Compound Not Detected.	
45 Dibromomethane		93				Compound Not Detected.	
46 Bromodichloromethane		83				Compound Not Detected.	
47 2-Chloroethyl vinyl ether		63				Compound Not Detected.	
48 cis-1,3-Dichloropropene		75				Compound Not Detected.	
49 4-Methyl-2-pentanone		43				Compound Not Detected.	
50 Toluene		91				Compound Not Detected.	
51 trans-1,3-Dichloropropene		75				Compound Not Detected.	
52 Ethyl Methacrylate		69				Compound Not Detected.	
53 1,1,2-Trichloroethane		97				Compound Not Detected.	
54 1,3-Dichloropropane		76				Compound Not Detected.	
55 Tetrachloroethene		164				Compound Not Detected.	
56 2-Hexanone		43				Compound Not Detected.	
57 Dibromochloromethane		129				Compound Not Detected.	
58 1,2-Dibromoethane		107				Compound Not Detected.	
59 Chlorobenzene		112				Compound Not Detected.	
60 1,1,1,2-Tetrachloroethane		131				Compound Not Detected.	
61 Ethylbenzene		106				Compound Not Detected.	
62 m + p-Xylene		106				Compound Not Detected.	
M 63 Xylenes (total)		106				Compound Not Detected.	
64 Xylene-o		106				Compound Not Detected.	
65 Styrene		104				Compound Not Detected.	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24411.D
 Report Date: 06-Oct-2004 10:37

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
66 Bromoform	----	173	---	---	---	Compound Not Detected.	-----
67 Isopropylbenzene		105				Compound Not Detected.	
68 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
69 1,4-Dichloro-2-butene		53				Compound Not Detected.	
70 1,2,3-Trichloropropane		110				Compound Not Detected.	
71 Bromobenzene		156				Compound Not Detected.	
72 n-Propylbenzene		120				Compound Not Detected.	
73 2-Chlorotoluene		126				Compound Not Detected.	
74 1,3,5-Trimethylbenzene		105				Compound Not Detected.	
75 4-Chlorotoluene		126				Compound Not Detected.	
76 tert-Butylbenzene		119				Compound Not Detected.	
77 1,2,4-Trimethylbenzene		105				Compound Not Detected.	
78 sec-Butylbenzene		105				Compound Not Detected.	
79 4-Isopropyltoluene		119				Compound Not Detected.	
80 1,3-Dichlorobenzene		146				Compound Not Detected.	
81 1,4-Dichlorobenzene		146				Compound Not Detected.	
82 n-Butylbenzene		91				Compound Not Detected.	
83 1,2-Dichlorobenzene		146				Compound Not Detected.	
84 1,2-Dibromo-3-chloropropane		157				Compound Not Detected.	
85 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
86 Hexachlorobutadiene		225				Compound Not Detected.	
87 Naphthalene		128				Compound Not Detected.	
88 1,2,3-Trichlorobenzene		180				Compound Not Detected.	
14 Dichlorofluoromethane		67				Compound Not Detected.	
89 Ethyl Ether		59				Compound Not Detected.	
91 3-Chloropropene		76				Compound Not Detected.	
92 Isopropyl Ether		87				Compound Not Detected.	
93 2-Chloro-1,3-butadiene		53				Compound Not Detected.	
94 Propionitrile		54				Compound Not Detected.	
95 Ethyl Acetate		43				Compound Not Detected.	
96 Methacrylonitrile		41				Compound Not Detected.	
97 Isobutanol		41				Compound Not Detected.	
99 n-Butanol		56				Compound Not Detected.	
100 Methyl Methacrylate		41				Compound Not Detected.	
101 2-Nitropropane		41				Compound Not Detected.	
103 Cyclohexanone		55				Compound Not Detected.	
98 Cyclohexane		56				Compound Not Detected.	
143 Methyl Acetate		43				Compound Not Detected.	
144 Methylcyclohexane		83				Compound Not Detected.	
141 1,3,5-Trichlorobenzene		180				Compound Not Detected.	

Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24411.D

Date : 06-OCT-2004 15:50

Client ID: WRPZ15/092804

Instrument: z3ux11.i

Sample Info: GRD921AA,5ML/5ML

Purge Volume: 5.0

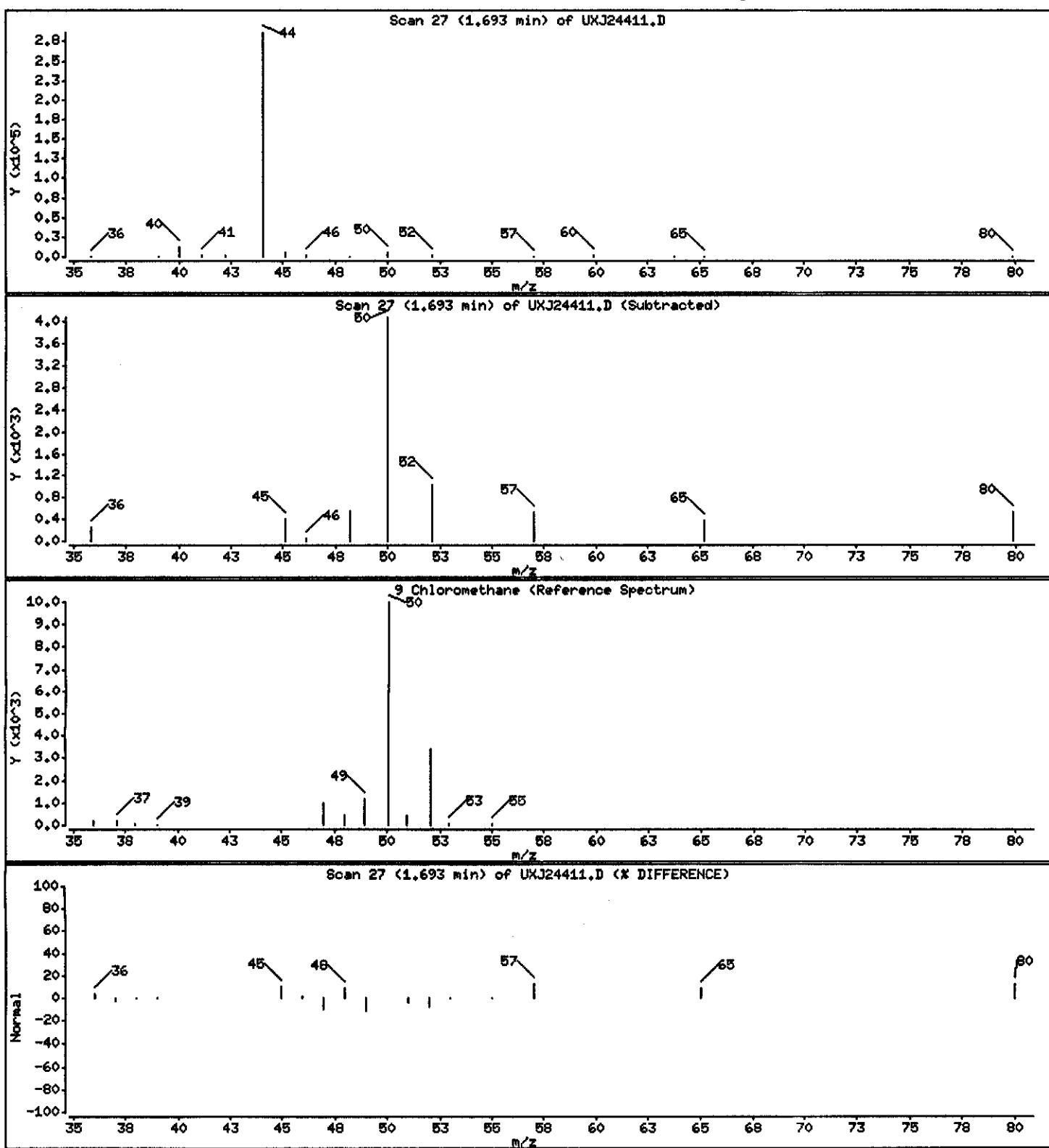
Operator: 43582

Column phase: DB624

Column diameter: 0.18

9 Chloromethane

Concentration: 0.2189 ug/L



Data File: \\qcanoh04\dd\chem\MSV\s3ux11.i\J41005A.b\UXJ24411.D

Date : 05-OCT-2004 15:50

Client ID: WRPZ15/092804

Instrument: s3ux11.i

Sample Info: GRD921AA,5ML/5ML

Purge Volume: 5.0

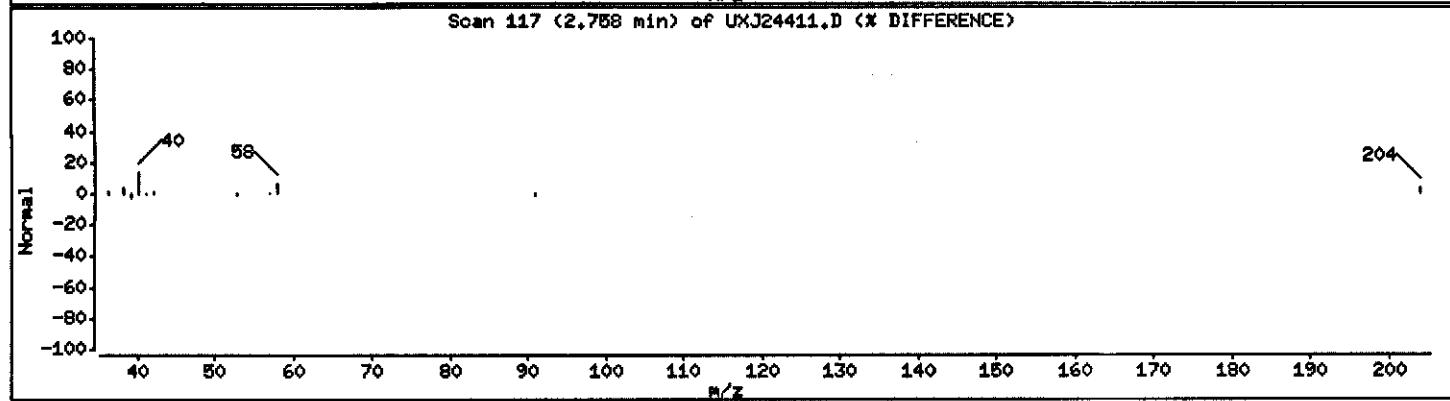
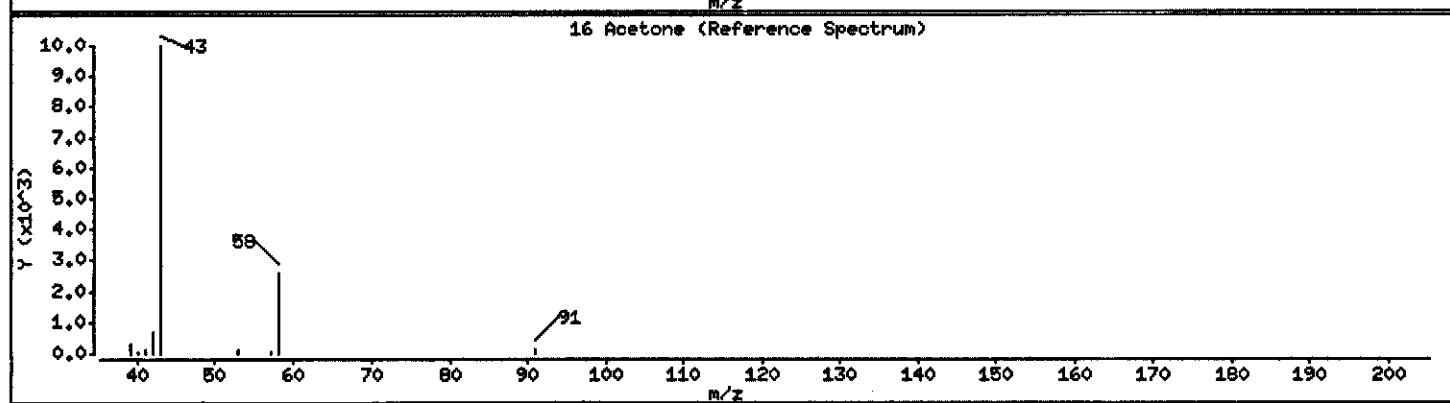
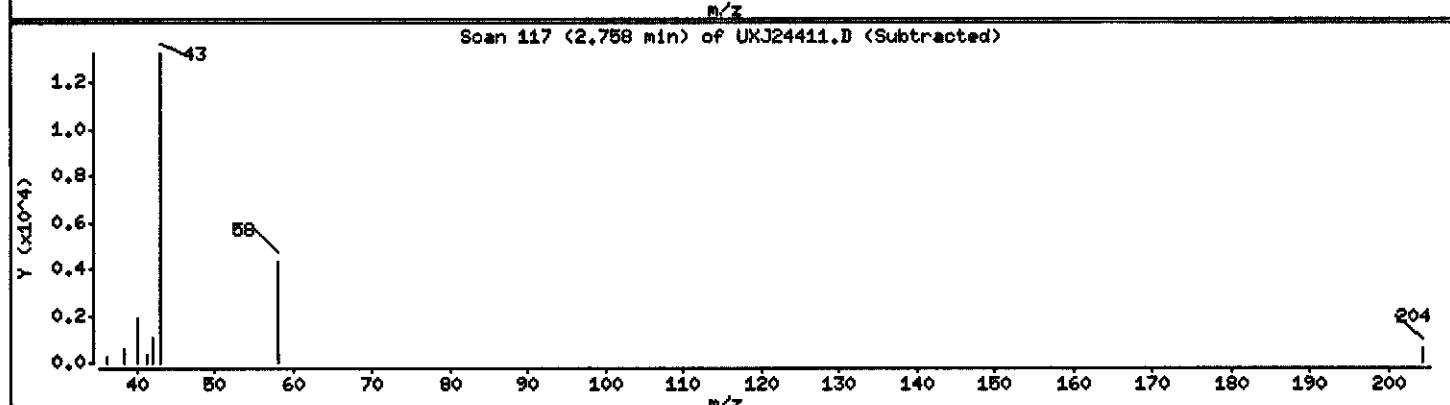
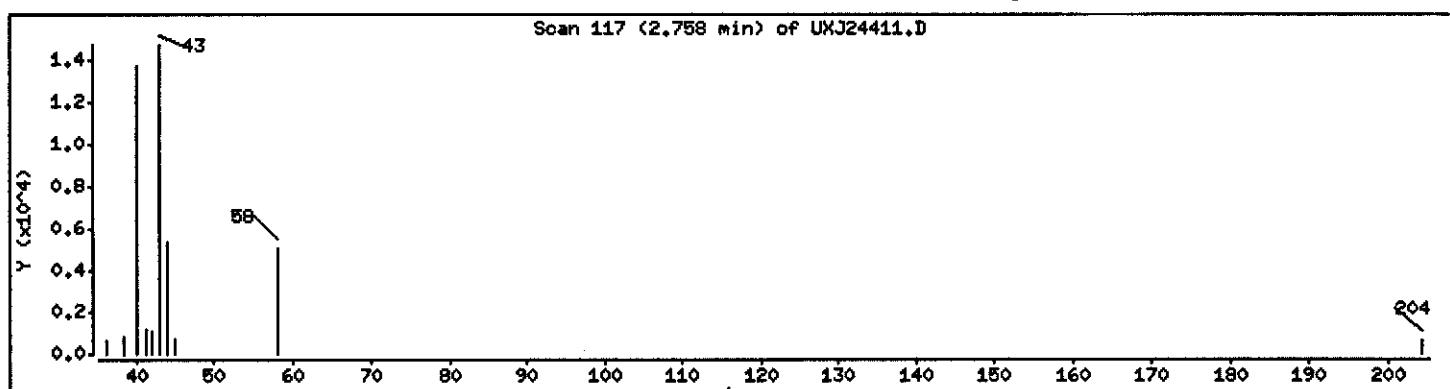
Operator: 43682

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 1.495 ug/L



Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24411.D

Date : 05-OCT-2004 15:50

Client ID: WRPZ15/092804

Instrument: z3ux11.i

Sample Info: GRD921AA,5ML/5ML

Purge Volume: 5.0

Operator: 43582

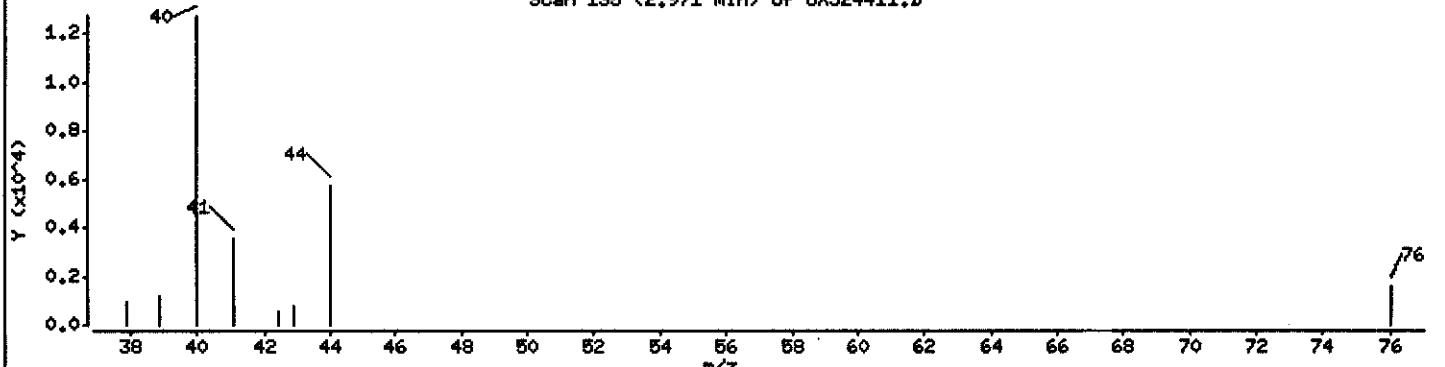
Column phase: DB624

Column diameter: 0.18

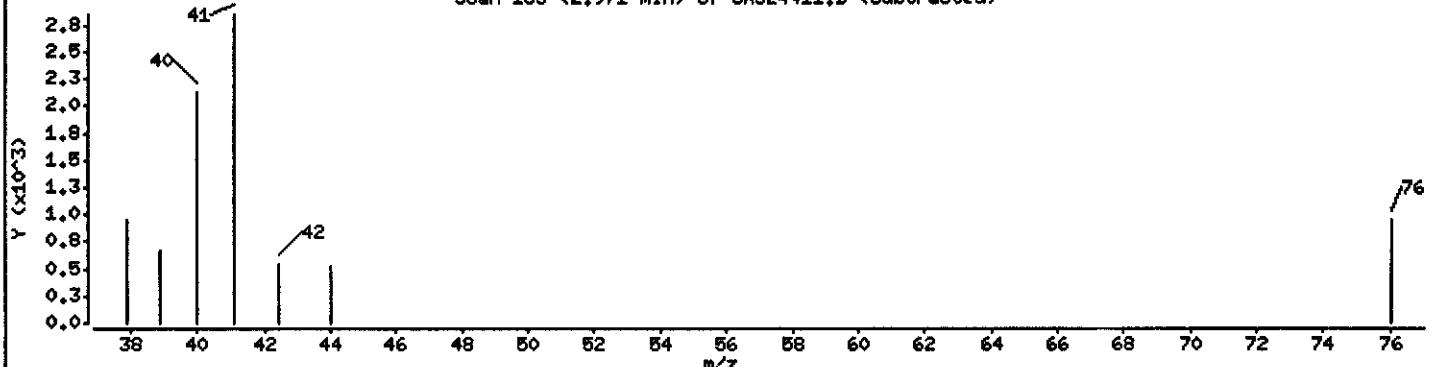
22 Acetonitrile

Concentration: 2.484 ug/L

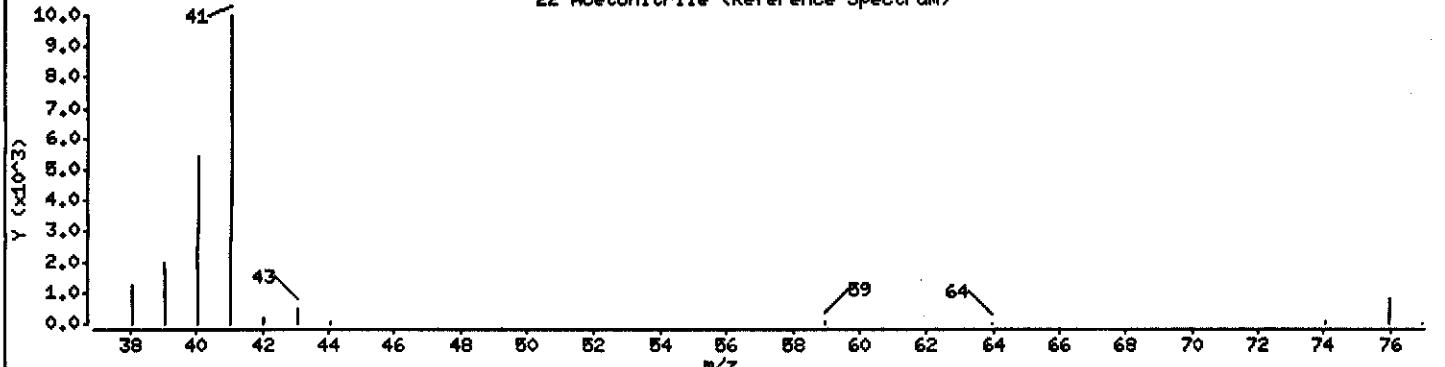
Scan 135 (2.971 min) of UXJ24411.D



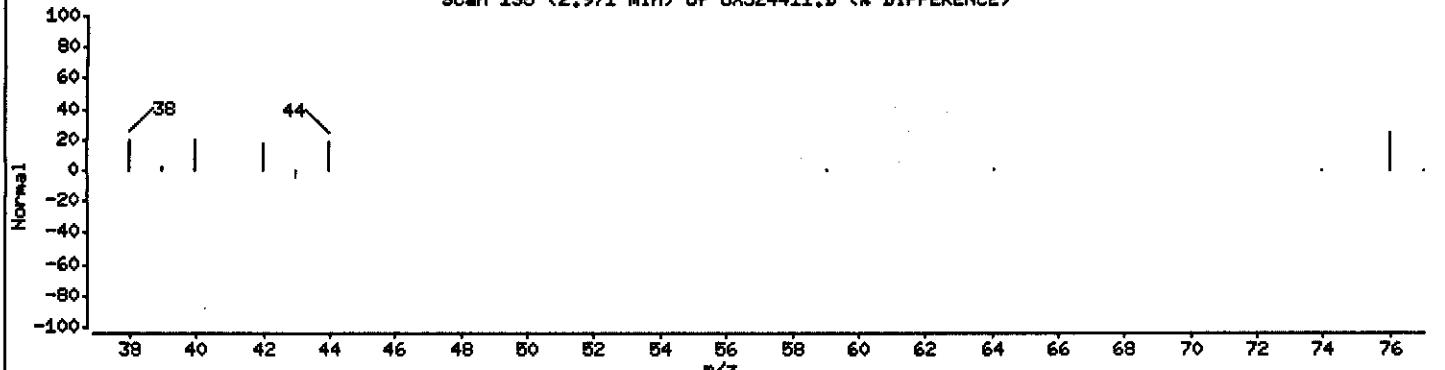
Scan 135 (2.971 min) of UXJ24411.D (Subtracted)



22 Acetonitrile (Reference Spectrum)



Scan 135 (2.971 min) of UXJ24411.D (% DIFFERENCE)



Data File: \\qcanoh04\dd\chem\MSV\s3ux11.i\J41005A.b\UXJ24411.D

Date : 05-OCT-2004 15:50

Client ID: WRPZ15/092804

Instrument: s3ux11.i

Sample Info: GRD921AA,5ML/5ML

Purge Volume: 5.0

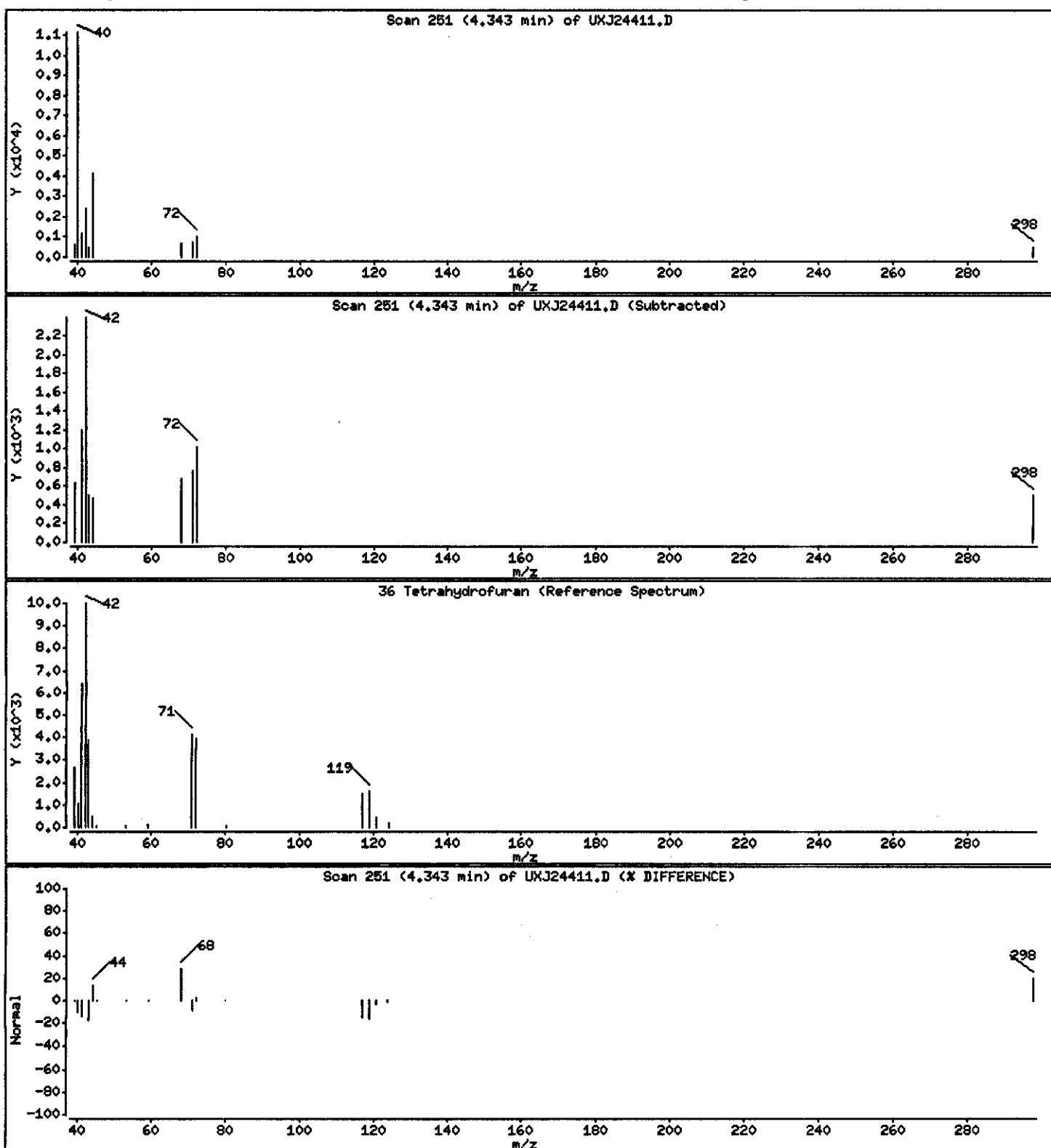
Operator: 43582

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 0.5166 ug/L



PAYNE FIRM INC.

Client Sample ID: WRPZ20/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-008 Work Order #....: GRD971AA Matrix.....: WG
 Date Sampled...: 09/28/04 10:56 Date Received...: 09/29/04
 Prep Date.....: 10/05/04 Analysis Date...: 10/05/04
 Prep Batch #....: 4279319
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acetonitrile	2.8 J	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	0.16 J	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ20/092804

GC/MS Volatiles

Lot-Sample #....: A4I290236-008 Work Order #....: GRD971AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloroproppane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

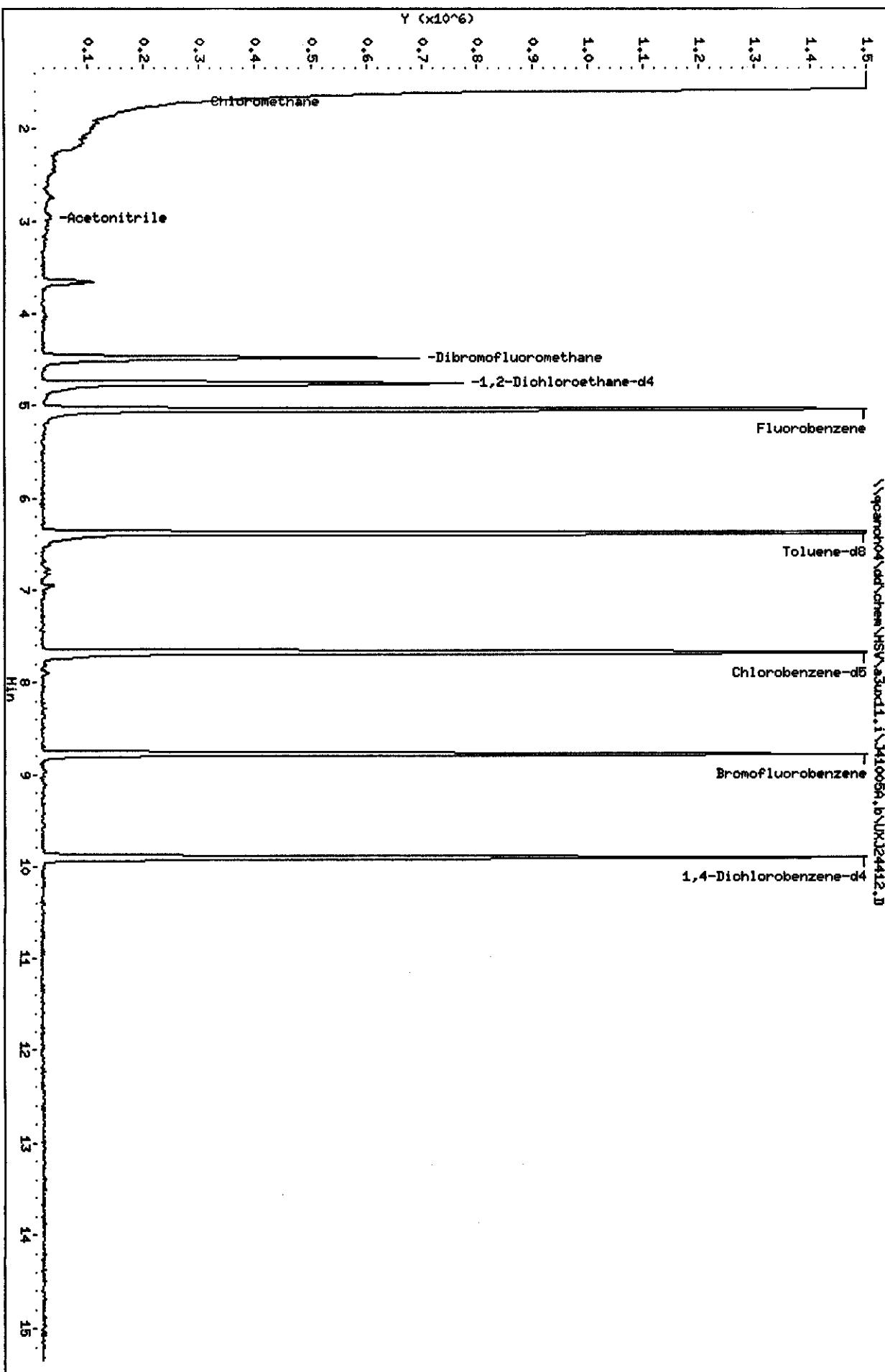
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

Data File: \\pcapath04\\sd\\chem\\MSV\\a30x11.i\\41005a.b\\UKJ24412.D
Date : 05-OCT-2004 16:13
Client ID: WRPZ15.092804
Sample Info: GRD9710A.SHL/SHL
Purge Volume: 5.0
Column phase: DIB624

Instrument: a30x11.i
Operator: 43582
Column diameter: 0.18



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24412.D
Lab Smp Id: GRD971AA Client Smp ID: WRPZ15/092804
Inj Date : 05-OCT-2004 16:13
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GRD971AA, 5ML/5ML
Misc Info : J41005A, 8260LLUX11,, 43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
*	1 Fluorobenzene	96	5.041	5.041 (1.000)	1.000	1942659	50.0000	
*	2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1.000	1536995	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	1.000	677772	50.0000	
\$	4 Dibromofluoromethane	113	4.485	4.485 (0.890)	0.890	507003	56.0547	11.211
\$	5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	0.944	689489	55.4372	11.087
\$	6 Toluene-d8	98	6.378	6.378 (0.831)	0.831	1740883	47.1468	9.429
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.143)	1.143	654678	41.7285	8.346
8	Dichlorodifluoromethane	85		Compound Not Detected.				
9	Chloromethane	50	1.704	1.704 (0.338)	0.338	14137	0.77961	0.1559
10	Vinyl Chloride	62		Compound Not Detected.				
11	Bromomethane	94		Compound Not Detected.				
12	Chloroethane	64		Compound Not Detected.				
13	Trichlorofluoromethane	101		Compound Not Detected.				
15	Acrolein	56		Compound Not Detected.				
16	Acetone	43		Compound Not Detected.				
17	1,1-Dichloroethene	96		Compound Not Detected.				
18	Freon-113	151		Compound Not Detected.				

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24412.D
 Report Date: 06-Oct-2004 10:38

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
19 Iodomethane	142					Compound Not Detected.	
20 Carbon Disulfide	76					Compound Not Detected.	
21 Methylene Chloride	84					Compound Not Detected.	
22 Acetonitrile	41		2.970	2.958 (0.589)		16406	14.2294 2.846
23 Acrylonitrile	53					Compound Not Detected.	
24 Methyl tert-butyl ether	73					Compound Not Detected.	
25 trans-1,2-Dichloroethene	96					Compound Not Detected.	
26 Hexane	86					Compound Not Detected.	
27 Vinyl acetate	43					Compound Not Detected.	
28 1,1-Dichloroethane	63					Compound Not Detected.	
29 tert-Butyl Alcohol	59					Compound Not Detected.	
30 2-Butanone	43					Compound Not Detected.	
M 31 1,2-Dichloroethene (total)	96					Compound Not Detected.	
32 cis-1,2-dichloroethene	96					Compound Not Detected.	
33 2,2-Dichloropropane	77					Compound Not Detected.	
34 Bromochloromethane	128					Compound Not Detected.	
35 Chloroform	83					Compound Not Detected.	
36 Tetrahydrofuran	42					Compound Not Detected.	
37 1,1,1-Trichloroethane	97					Compound Not Detected.	
38 1,1-Dichloropropene	75					Compound Not Detected.	
39 Carbon Tetrachloride	117					Compound Not Detected.	
40 1,2-Dichloroethane	62					Compound Not Detected.	
41 Benzene	78					Compound Not Detected.	
42 Trichloroethene	130					Compound Not Detected.	
43 1,2-Dichloropropane	63					Compound Not Detected.	
44 1,4-Dioxane	88					Compound Not Detected.	
45 Dibromomethane	93					Compound Not Detected.	
46 Bromodichloromethane	83					Compound Not Detected.	
47 2-Chloroethyl vinyl ether	63					Compound Not Detected.	
48 cis-1,3-Dichloropropene	75					Compound Not Detected.	
49 4-Methyl-2-pentanone	43					Compound Not Detected.	
50 Toluene	91					Compound Not Detected.	
51 trans-1,3-Dichloropropene	75					Compound Not Detected.	
52 Ethyl Methacrylate	69					Compound Not Detected.	
53 1,1,2-Trichloroethane	97					Compound Not Detected.	
54 1,3-Dichloropropane	76					Compound Not Detected.	
55 Tetrachloroethene	164					Compound Not Detected.	
56 2-Hexanone	43					Compound Not Detected.	
57 Dibromochloromethane	129					Compound Not Detected.	
58 1,2-Dibromoethane	107					Compound Not Detected.	
59 Chlorobenzene	112					Compound Not Detected.	
60 1,1,1,2-Tetrachloroethane	131					Compound Not Detected.	
61 Ethylbenzene	106					Compound Not Detected.	
62 m + p-Xylene	106					Compound Not Detected.	
M 63 Xylenes (total)	106					Compound Not Detected.	
64 Xylene-o	106					Compound Not Detected.	
65 Styrene	104					Compound Not Detected.	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24412.D
 Report Date: 06-Oct-2004 10:38

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
66 Bromoform	====	173	---	-----	-----	-----	-----
67 Isopropylbenzene		105				Compound Not Detected.	
68 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
69 1,4-Dichloro-2-butene		53				Compound Not Detected.	
70 1,2,3-Trichloropropane		110				Compound Not Detected.	
71 Bromobenzene		156				Compound Not Detected.	
72 n-Propylbenzene		120				Compound Not Detected.	
73 2-Chlorotoluene		126				Compound Not Detected.	
74 1,3,5-Trimethylbenzene		105				Compound Not Detected.	
75 4-Chlorotoluene		126				Compound Not Detected.	
76 tert-Butylbenzene		119				Compound Not Detected.	
77 1,2,4-Trimethylbenzene		105				Compound Not Detected.	
78 sec-Butylbenzene		105				Compound Not Detected.	
79 4-Isopropyltoluene		119				Compound Not Detected.	
80 1,3-Dichlorobenzene		146				Compound Not Detected.	
81 1,4-Dichlorobenzene		146				Compound Not Detected.	
82 n-Butylbenzene		91				Compound Not Detected.	
83 1,2-Dichlorobenzene		146				Compound Not Detected.	
84 1,2-Dibromo-3-chloropropane		157				Compound Not Detected.	
85 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
86 Hexachlorobutadiene		225				Compound Not Detected.	
87 Naphthalene		128				Compound Not Detected.	
88 1,2,3-Trichlorobenzene		180				Compound Not Detected.	
14 Dichlorofluoromethane		67				Compound Not Detected.	
89 Ethyl Ether		59				Compound Not Detected.	
91 3-Chloropropene		76				Compound Not Detected.	
92 Isopropyl Ether		87				Compound Not Detected.	
93 2-Chloro-1,3-butadiene		53				Compound Not Detected.	
94 Propionitrile		54				Compound Not Detected.	
95 Ethyl Acetate		43				Compound Not Detected.	
96 Methacrylonitrile		41				Compound Not Detected.	
97 Isobutanol		41				Compound Not Detected.	
99 n-Butanol		56				Compound Not Detected.	
100 Methyl Methacrylate		41				Compound Not Detected.	
101 2-Nitropropane		41				Compound Not Detected.	
103 Cyclohexanone		55				Compound Not Detected.	
98 Cyclohexane		56				Compound Not Detected.	
143 Methyl Acetate		43				Compound Not Detected.	
144 Methylcyclohexane		83				Compound Not Detected.	
141 1,3,5-Trichlorobenzene		180				Compound Not Detected.	

Data File: \\qcanoh04\dd\chem\MSV\z3ux11.i\J41005A.b\UXJ24412.D

Date : 05-OCT-2004 16:13

Client ID: WRPZ15/092804

Instrument: z3ux11.i

Sample Info: GRD971AA,5ML/5ML

Purge Volume: 5.0

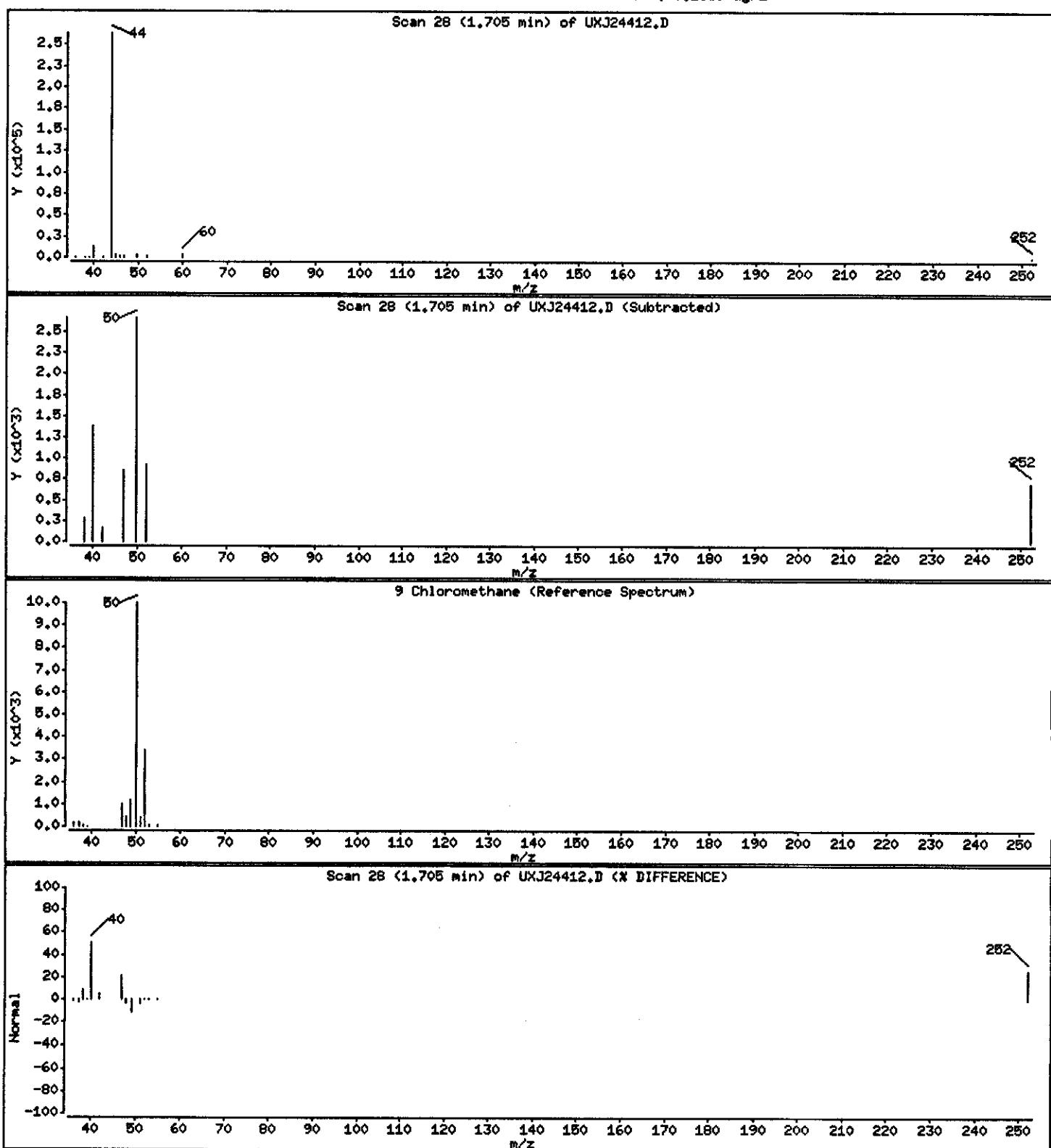
Operator: 43582

Column phase: DB624

Column diameter: 0.18

9 Chloromethane

Concentration: 0.1859 ug/L



Data File: \\qcanoh04\dd\chem\MSV\3ux11.i\J41005A.b\UXJ24412.D

Date : 05-OCT-2004 16:13

Client ID: WRPZ15/092804

Instrument: a3ux11.i

Sample Info: GRD971AA,5NL/5ML

Purge Volume: 5.0

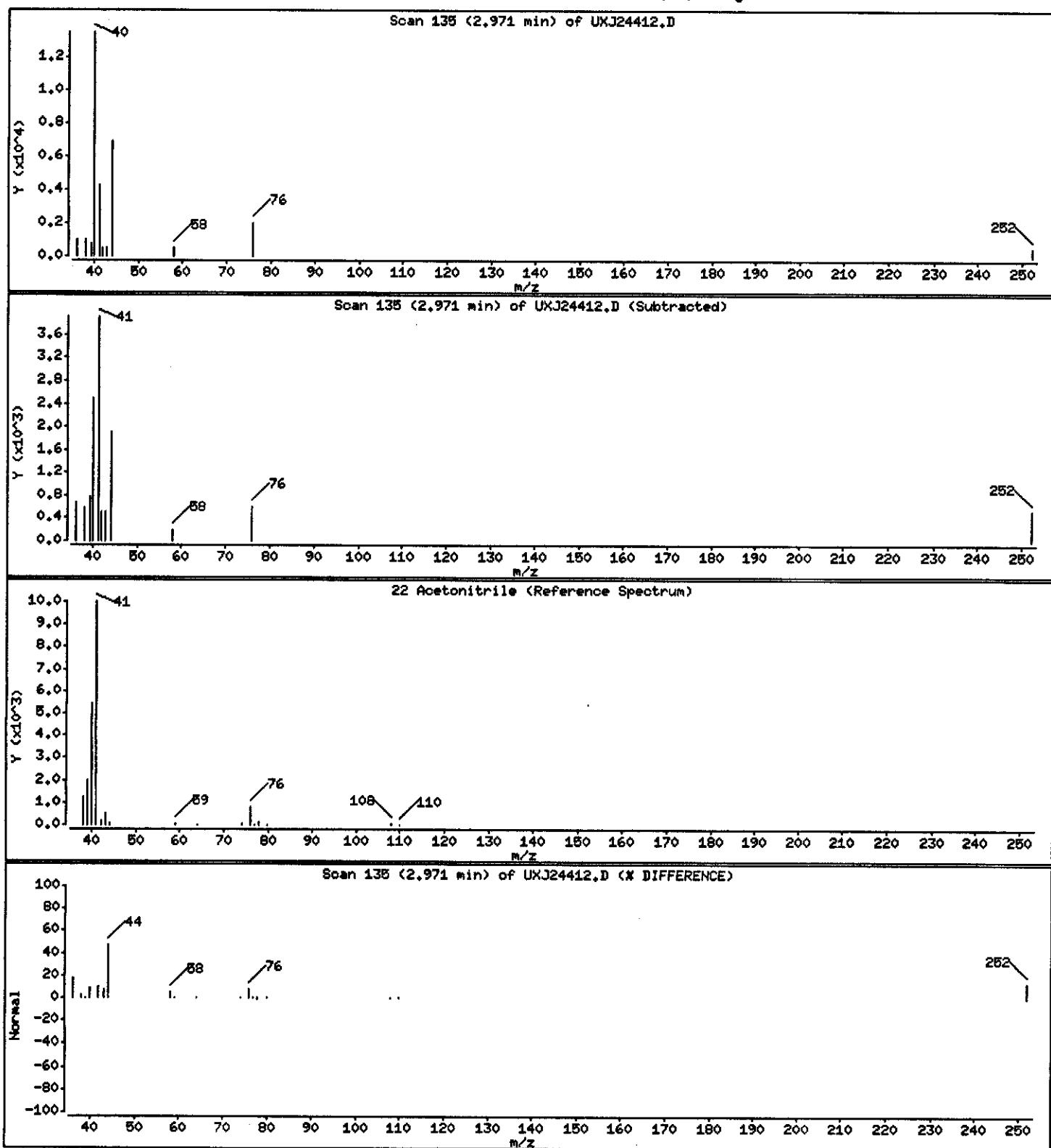
Operator: 43582

Column phase: DB624

Column diameter: 0.18

22 Acetonitrile

Concentration: 2.846 ug/L



STANDARD DATA

Report Date: 11-19-04

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Start Cal Date: 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
14-SEP-2004 15:41	2-8260	UXJ23875.D
16-AUG-2004 18:11	3-IX	UXJ23214.D
Cal Level: 2 , Cal Amount: 10.000		
14-SEP-2004 15:19	2-8260	UXJ23874.D
16-AUG-2004 17:48	3-IX	UXJ23213.D
Cal Level: 3 , Cal Amount: 25.000		
14-SEP-2004 14:57	2-8260	UXJ23873.D
16-AUG-2004 17:26	3-IX	UXJ23212.D
Cal Level: 4 , Cal Amount: 50.000		
14-SEP-2004 14:33	2-8260	UXJ23872.D
16-AUG-2004 17:03	3-IX	UXJ23211.D
Cal Level: 5 , Cal Amount: 100.00		
14-SEP-2004 14:10	2-8260	UXJ23871.D
16-AUG-2004 16:40	3-IX	UXJ23210.D
Cal Level: 6 , Cal Amount: 200.00		
14-SEP-2004 13:48	2-8260	UXJ23870.D
16-AUG-2004 16:18	3-IX	UXJ23209.D

Continuing Calibration

14-SEP-2004 14:33	2-8260	UXJ23872.D

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
 End Cal Date : 14-SEP-2004 15:41
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : HP RTE
 Method file : \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\8260LLUX11.m
 Cal Date : 14-Sep-2004 16:57 tapsvc
 Curve Type : Average

Calibration File Names:

Level 1: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23875.D
 Level 2: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23874.D
 Level 3: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23873.D
 Level 4: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23872.D
 Level 5: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23871.D
 Level 6: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23870.D

Compound	5.000	10.000	25.000	50.000	100.000	200.000			
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD	
8 Dichlorodifluoromethane	0.28836	0.23754	0.28173	0.25161	0.24515	0.26401	0.26140	7.796	
9 Chloromethane	0.55674	0.49898	0.45483	0.43875	0.42154	0.42948	0.46672	11.132	
10 Vinyl Chloride	0.32349	0.31847	0.33246	0.31180	0.29804	0.33125	0.31925	4.066	
11 Bromomethane	0.17259	0.16446	0.14190	0.15123	0.13819	0.14020	0.15143	9.386	
12 Chloroethane	0.23244	0.24693	0.24362	0.23419	0.22089	0.22969	0.23463	4.043	
13 Trichlorofluoromethane	0.38407	0.31147	0.34717	0.32533	0.30602	0.33365	0.33462	8.499	
14 Dichlorofluoromethane	0.45871	0.50000	0.48561	0.49154	0.48286	0.49097	0.48495	2.915	
15 Acrolein	0.03199	0.03065	0.03129	0.03093	0.03156	0.03098	0.03123	1.551	
16 Acetone	0.16115	0.13958	0.11422	0.11384	0.10613	0.10203	0.12282	18.621	
17 1,1-Dichloroethene	0.24613	0.23009	0.19938	0.23265	0.20714	0.22623	0.22360	7.735	
18 Freon-113	0.16870	0.16626	0.10968	0.16762	0.13496	0.15980	0.15117	15.834	
19 Iodomethane	0.31149	0.34851	0.32631	0.33364	0.33020	0.33284	0.33050	3.627	
20 Carbon Disulfide	0.91244	0.87319	0.74270	0.85398	0.78522	0.84395	0.83525	7.360	
21 Methylene Chloride	0.75227	0.54750	0.35921	0.31815	0.29068	0.28051	0.42472	44.272	
22 Acetonitrile	0.03290	0.03019	0.03062	0.02865	0.02976	0.02592	0.02967	7.789	
23 Acrylonitrile	0.09137	0.09573	0.09318	0.09088	0.09229	0.09022	0.09228	2.153	
24 Methyl tert-butyl ether	0.65699	0.67280	0.74332	0.74432	0.74979	0.73394	0.71686	5.703	
25 trans-1,2-Dichloroethene	0.28262	0.27489	0.25328	0.26749	0.25617	0.25710	0.26526	4.435	
26 Hexane	0.05179	0.04861	0.03324	0.04941	0.04250	0.04921	0.04579	15.039	
27 Vinyl acetate	0.41519	0.38277	0.42613	0.42027	0.44948	0.45290	0.42446	6.033	
28 1,1-Dichloroethane	0.51364	0.49348	0.46074	0.48352	0.47362	0.47833	0.48389	3.753	
29 tert-Butyl Alcohol	0.02052	0.02018	0.01934	0.01924	0.01980	0.01761	0.01945	5.262	
30 2-Butanone	0.15894	0.12780	0.13677	0.13376	0.13540	0.12902	0.13695	8.281	
M 31 1,2-Dichloroethene (total)	0.28520	0.28491	0.26194	0.27101	0.26404	0.26479	0.27198	3.886	
32 cis-1,2-dichloroethene	0.28778	0.29492	0.27061	0.27453	0.27191	0.27248	0.27870	3.636	

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
 End Cal Date : 14-SEP-2004 15:41
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : HP RTE
 Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
 Cal Date : 14-Sep-2004 16:57 tapsvc
 Curve Type : Average

Compound	5.000	10.000	25.000	50.000	100.000	200.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
33 2,2-Dichloropropane	0.29593	0.30774	0.27673	0.29383	0.28018	0.29523	0.29161	3.907
34 Bromochloromethane	0.12769	0.14200	0.12631	0.12865	0.12580	0.12388	0.12906	5.074
35 Chloroform	0.51012	0.50575	0.47005	0.48650	0.47366	0.47250	0.48643	3.631
36 Tetrahydrofuran	0.10018	0.08347	0.06844	0.07301	0.07510	0.07044	0.07844	15.112
37 1,1,1-Trichloroethane	0.39287	0.37451	0.33541	0.38300	0.34846	0.36998	0.36737	5.878
38 1,1-Dichloropropene	0.34921	0.35729	0.30656	0.35792	0.32912	0.35428	0.34240	6.001
39 Carbon Tetrachloride	0.30286	0.29259	0.24537	0.31080	0.27649	0.30261	0.28845	8.383
40 1,2-Dichloroethane	0.40025	0.42402	0.38489	0.39237	0.39169	0.39145	0.39745	3.498
41 Benzene	1.25995	1.19011	1.12471	1.13415	1.09548	1.10254	1.15116	5.467
42 Trichloroethene	0.27283	0.26390	0.25129	0.26732	0.25842	0.26258	0.26272	2.818
43 1,2-Dichloropropane	0.29669	0.30122	0.27194	0.28098	0.27691	0.27607	0.28397	4.241
44 1,4-Dioxane	0.00242	0.00233	0.00258	0.00261	0.00260	0.00206	0.00243	8.907
45 Dibromomethane	0.15285	0.16666	0.15233	0.15822	0.15862	0.15545	0.15736	3.340
46 Bromodichloromethane	0.38193	0.38487	0.36100	0.37042	0.36931	0.37381	0.37355	2.345
47 2-Chloroethyl vinyl ether	0.13950	0.14798	0.15985	0.16693	0.17284	0.17092	0.15967	8.385
48 cis-1,3-Dichloropropene	0.43417	0.47734	0.43633	0.45487	0.46634	0.47331	0.45706	4.058
49 4-Methyl-2-pentanone	0.23661	0.23635	0.24230	0.25213	0.25538	0.25182	0.24577	3.424
50 Toluene	1.48717	1.54897	1.47049	1.49192	1.46610	1.49497	1.49327	1.987
51 trans-1,3-Dichloropropene	0.50647	0.53118	0.51429	0.54236	0.55606	0.56198	0.53539	4.162
52 Ethyl Methacrylate	0.38934	0.45025	0.45000	0.48061	0.49453	0.49921	0.46066	8.865
53 1,1,2-Trichloroethane	0.30188	0.31382	0.29748	0.30352	0.30279	0.29789	0.30290	1.953
54 1,3-Dichloropropane	0.57206	0.59182	0.56392	0.55975	0.57182	0.56489	0.57071	1.996
55 Tetrachloroethene	0.25509	0.26206	0.22142	0.24509	0.22718	0.24073	0.24193	6.478
56 2-Hexanone	0.22234	0.23807	0.24231	0.24889	0.24606	0.25308	0.24179	4.486
57 Dibromochloromethane	0.30967	0.33372	0.31997	0.31951	0.32624	0.32930	0.32307	2.641
58 1,2-Dibromoethane	0.26921	0.31637	0.29041	0.30230	0.30732	0.30501	0.29844	5.561
59 Chlorobenzene	0.96525	1.03980	0.94396	0.94706	0.94928	0.95592	0.96688	3.777
60 1,1,1,2-Tetrachloroethane	0.33779	0.34414	0.32638	0.32925	0.34031	0.33757	0.33590	2.013
61 Ethylbenzene	0.46024	0.50768	0.46972	0.48906	0.48935	0.51358	0.48827	4.245
62 m + p-Xylene	0.60709	0.64675	0.61837	0.63926	0.62027	0.64155	0.62888	2.511
M 63 Xylenes (total)	0.59346	0.64358	0.61984	0.63276	0.62064	0.64001	0.62505	2.925
64 Xylene-o	0.56621	0.63725	0.62277	0.61975	0.62137	0.63694	0.61738	4.252
65 Styrene	1.00309	1.11779	1.08299	1.11462	1.13838	1.16736	1.10404	5.143

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
 End Cal Date : 14-SEP-2004 15:41
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : HP RTE
 Method file : \\qcanoh04\dd\chem\MSV\aux11.i\J40914B-IC.b\8260LLUX11.m
 Cal Date : 14-Sep-2004 16:57 tapsvc
 Curve Type : Average

Compound	5.000	10.000	25.000	50.000	100.000	200.000	—	—	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	—	—
66 Bromoform	0.20132	0.22491	0.21511	0.21840	0.22531	0.23254	0.21960	4.920	
67 Isopropylbenzene	1.34498	1.36235	1.30493	1.41191	1.35691	1.46909	1.37503	4.180	
68 1,1,2,2-Tetrachloroethane	0.74074	0.78253	0.73952	0.75703	0.76116	0.74128	0.75371	2.237	
69 1,4-Dichloro-2-butene	0.23161	0.23946	0.23911	0.25172	0.26183	0.26419	0.24799	5.373	
70 1,2,3-Trichloropropane	0.25299	0.25205	0.24157	0.24830	0.24773	0.24135	0.24733	2.016	
71 Bromobenzene	0.74497	0.77908	0.72155	0.75186	0.74513	0.73336	0.74599	2.605	
72 n-Propylbenzene	0.71725	0.70753	0.62905	0.72290	0.67589	0.72046	0.69551	5.299	
73 2-Chlorotoluene	0.71622	0.69234	0.65887	0.70074	0.67558	0.68895	0.68879	2.887	
74 1,3,5-Trimethylbenzene	2.25968	2.26774	2.20534	2.39411	2.31559	2.44388	2.31439	3.874	
75 4-Chlorotoluene	0.76654	0.75820	0.70598	0.74482	0.71695	0.72231	0.73580	3.304	
76 tert-Butylbenzene	1.89049	1.94223	1.70074	1.94123	1.83516	1.94010	1.87499	5.079	
77 1,2,4-Trimethylbenzene	2.33163	2.49724	2.33803	2.57507	2.50096	2.58086	2.47063	4.492	
78 sec-Butylbenzene	2.66025	2.55624	2.28546	2.65769	2.44749	2.62040	2.53792	5.801	
79 4-Isopropyltoluene	2.02816	2.10772	1.90515	2.27140	2.10588	2.25071	2.11151	6.511	
80 1,3-Dichlorobenzene	1.50394	1.41628	1.30596	1.36727	1.33637	1.33353	1.37723	5.270	
81 1,4-Dichlorobenzene	1.49216	1.50657	1.37893	1.45011	1.40876	1.40879	1.44089	3.529	
82 n-Butylbenzene	1.86201	1.92154	1.64744	2.01989	1.84399	2.02271	1.88626	7.389	
83 1,2-Dichlorobenzene	1.44948	1.40634	1.30068	1.35160	1.32364	1.30712	1.35648	4.397	
84 1,2-Dibromo-3-chloropropane	0.12641	0.12593	0.12612	0.12831	0.13070	0.12832	0.12763	1.446	
85 1,2,4-Trichlorobenzene	0.56391	0.60976	0.52246	0.58135	0.57921	0.60830	0.57750	5.596	
86 Hexachlorobutadiene	0.39076	0.31635	0.25219	0.27519	0.23759	0.23788	0.28500	20.941	
87 Naphthalene	1.19572	1.26888	1.21865	1.39469	1.53842	1.56161	1.36300	11.780	
88 1,2,3-Trichlorobenzene	0.38318	0.44192	0.36462	0.41931	0.44173	0.43401	0.41413	7.910	
89 Ethyl Ether	0.26862	0.25572	0.24190	0.23691	0.23958	0.23653	0.24654	5.241	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	++	<-
91 3-Chloropropene	0.08501	0.09752	0.10420	0.10696	0.10892	0.11570	0.10305	10.335	
92 Isopropyl Ether	0.19894	0.21144	0.22424	0.23464	0.23633	0.23561	0.22353	6.886	
93 2-Chloro-1,3-butadiene	0.33010	0.35251	0.38261	0.39081	0.38671	0.39380	0.37276	6.882	
94 Propionitrile	0.04383	0.04396	0.04410	0.04111	0.04094	0.03990	0.04231	4.404	
95 Ethyl Acetate	0.25153	0.23918	0.24678	0.23828	0.24450	0.25022	0.24508	2.253	
96 Methacrylonitrile	0.15470	0.15983	0.15530	0.15862	0.16298	0.16195	0.15890	2.134	
97 Isobutanol	0.01214	0.01067	0.01151	0.01109	0.01159	0.01152	0.01142	4.362	
98 Cyclohexane	0.37486	0.38746	0.29089	0.40866	0.34684	0.39833	0.36784	11.783	

Report Date : 14-Sep-2004 17:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\ a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc
Curve Type : Average

Compound	5.000	10.000	25.000	50.000	100.000	200.000	—	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	—
99 n-Butanol	0.00708	0.00755	0.00826	0.00839	0.00871	0.00930	0.00822	9.712 | <-
100 Methyl Methacrylate	0.17898	0.17553	0.18573	0.19952	0.20913	0.22296	0.19531	9.504 |
101 2-Nitropropane	0.05322	0.06193	0.06220	0.06218	0.06202	0.06322	0.06079	6.151 |
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
103 Cyclohexanone	0.02167	0.02329	0.02670	0.02927	0.03085	0.03125	0.02717	14.734 |
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	0.76231 |	7.986 |
141 1,3,5-Trichlorobenzene	0.85746	0.79676	0.67661	0.75898	0.73463	0.74943	0.76231 |	5.658 |
143 Methyl Acetate	0.22313	0.21756	0.20107	0.19563	0.19918	0.19750	0.20568 |	13.218 |
144 Methylcyclohexane	0.34643	0.31604	0.23920	0.34078	0.28293	0.32667	0.30868 |	2.832 |
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ | <-
\$ 4 Dibromofluoromethane	0.22899	0.23170	0.22899	0.23960	0.23428	0.23320	0.23279	1.705 |
\$ 5 1,2-Dichloroethane-d4	0.31268	0.30905	0.31321	0.31488	0.33897	0.33187	0.32011	3.817 |
\$ 6 Toluene-d8	1.15061	1.17656	1.24969	1.21381	1.20619	1.21032	1.20120	2.827 |
\$ 7 Bromofluorobenzene	0.48378	0.51078	0.51438	0.50777	0.52150	0.52405	0.51038	2.827

STL North Canton

INITIAL CALIBRATION DATA

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art Cal Date   : 16-AUG-2004 16:18
ld Cal Date   : 14-SEP-2004 15:41
ant Method    : ISTD
rgt Version   : 4.04
ntegrator     : HP RTE
ethod file    : \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\82601LIUX11.m
l Date        : 14-Sep-2004 16:57 tapsvc

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libration File Names:
evel 1: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23875.D
evel 2: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23873.D
evel 3: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23872.D
evel 4: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23871.D
evel 5: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23870.D
evel 6: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\UXJ23870.D

```

Compound	5.0000	10.0000	25.0000	50.0000	100.0000	200.0000	Curve	Coefficients m1	m2	or R^2	%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6					
8 Dichlorodifluoromethane	0.28836	0.23754	0.28173	0.25561	0.24515	0.26401	AVRG	0.26140	7.79645		
9 Chloromethane	0.55674	0.49898	0.45483	0.43975	0.42154	0.42948	AVRG	0.46672	11.13244		4.05579
10 Vinyl Chloride	0.32349	0.31847	0.33246	0.31810	0.29804	0.3125	AVRG	0.31925			9.38575
11 Bromomethane	0.17259	0.16446	0.14190	0.15123	0.13819	0.14020	AVRG	0.15143			4.04335
12 Chloroethane	0.23244	0.24693	0.24362	0.23419	0.22089	0.22669	AVRG	0.23463			8.49945
13 Trichlorofluoromethane	0.38407	0.31147	0.34717	0.32533	0.30602	0.33365	AVRG	0.348495			2.91496
14 Dichlorofluoromethane	0.45871	0.50000	0.48561	0.49154	0.48286	0.49097	AVRG	0.48495			1.55147
15 Acrolein	0.03199	0.03065	0.03129	0.03093	0.03156	0.03098	AVRG	0.03123			0.99990
16 Acetone	72580	128042	262942	530389	973885	1907733	QUAD	-0.10527	9.26837	0.81620	

STL North Canton

INITIAL CALIBRATION DATA

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art Cal Date : 16-AUG-2004 16:18
d Cal Date : 14-SEP-2004 15:41
lant Method : ISTD
rget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\A3UX11.i\J40914B-IC.b\82601LUX11.m
,1 Date : 14-Sep-2004 16:57 tapsvc

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Compound	5.000	10.000	25.000	50.000	100.000	200.000	curve	b	Coefficients	%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	
17 1,1-Dichloroethene	0.24613	0.23009	0.19938	0.23265	0.20714	0.22623|AVRG	-0. 02165|	7.57113|	-1.97871|	0.99415|
18 Freon-113	0.37991	0.76261	1.26246|	3.90592|	619208|	1494012|QUAD	0.333050|	3.62742|	7.35551|	
19 Iodomethane	0.31149	0.34851	0.32631|	0.33354|	0.33020|	0.33284|AVRG	0.84395|AVRG	0.83525|	0.99993|	
20 Carbon Disulfide	0.91244	0.87319	0.74270|	0.85398|	0.78522|	0.84395|AVRG	-0.19662|	3.80728|	-0.05949|	7.78866|
21 Methylene Chloride	1.69409	2.51128|	4.13458|	741159|	1333682|	2622600|QUAD	0.02976|	0.02967|	2.15289|	
22 Acetonitrile	0.03290|	0.03019|	0.03062|	0.02865|	0.02976|	0.02552|AVRG	0.09022|AVRG	0.09228|	5.70257|	
23 Acrylonitrile	0.9137|	0.03573|	0.09318|	0.09088|	0.09229|	0.09022|AVRG	0.73394|AVRG	0.71686|	4.43506|	
24 Methyl teri-butyl ether	0.65599|	0.67280|	0.74332|	0.74432|	0.74979|	0.74979|AVRG	0.25617|	0.25710|AVRG	0.26526|	0.99631|
25 trans-1,2-Dichloroethene	0.28262|	0.27489|	0.25328|	0.26749|	0.25617|	0.25617|QUAD	-0.00997|	24.38425|	-20.19946|	6.03292|
26 Hexane	1.1663|	2.2298|	3.8256|	115096|	195007|	460062|QUAD	0.44948|	0.42446|	3.75339|	
27 Vinyl acetate	0.41519|	0.38277|	0.42613|	0.42027|	0.42027|	0.45290|AVRG	0.47833|AVRG	0.48389|	5.26222|	
28 1,1-Dichloroethane	0.51364|	0.49348|	0.46074|	0.48352|	0.47362|	0.47362|AVRG	0.01761|AVRG	0.01945|	8.28054|	
29 tert-Butyl Alcohol	0.02052|	0.02018|	0.01934|	0.01924|	0.01980|	0.01980|AVRG	0.13695|	0.13695|	3.88557|	
30 2-Butanone	0.15894|	0.12780|	0.13677|	0.13776|	0.13540|	0.12902|AVRG	0.26404|	0.26479|AVRG	0.27198|	3.63568|
M 31 1,2-Dichloroethylene (total)	0.28520|	0.28491|	0.26194|	0.27101|	0.27191|	0.27191|AVRG	0.27248|AVRG	0.27870|	3.90723|	
32 cis-1,2-dichloroethylene	0.28778|	0.29492|	0.27453|	0.27061|	0.27453|	0.27453|AVRG	0.28018|	0.29523|AVRG	0.29161|	
33 2,2-Dichloropropane	0.29593|	0.30774|	0.27673|	0.29383|	0.29383|	0.29383|AVRG				

Start Date : 14-Sep-2004 17:05

STL North Canton

INITIAL CALIBRATION DATA

First Cal Date	: 16-AUG-2004 16:18
Last Cal Date	: 14-SEP-2004 15:41
Int Method	: ISTD
Target Version	: 4.04
egrator	: HP RTE
thod file	: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-1C.b\8260LLUX11.m
1 Date	: 14-Sep-2004 16:57 tapsvc

Compound	5.0000	10.0000	25.0000	50.0000	100.0000	200.0000	Curve	b	Coefficients	%RSD	or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		ml	m2		
34 Bromochloromethane	0.12769	0.14200	0.12631	0.12865	0.12580	0.12398|AVRG		0.12905|	5.07449|	3.63104|	
35 Chloroform	0.51012	0.50575	0.47005	0.48650	0.47366	0.47250|AVRG		0.48643|	0.99940|	0.99940|	
36 Tetrahydrofuran	0.22560	0.32881	0.32881	0.33541	0.38300	0.34846	0.36998|AVRG	0.34240|	8.38299|	0.28845|	
37 1,1,1-Trichloroethane	0.39287	0.37451	0.30656	0.35792	0.32912	0.30261|AVRG		0.32912|	3.49760|	3.49760|	
38 1,1-Dichloropropene	0.34921	0.35729	0.24537	0.31080	0.27649	0.39145|AVRG		0.39169|	5.46736|	5.46736|	
39 Carbon Tetrachloride	0.30286	0.29259	0.39237	0.38489	0.39237	0.39237|AVRG		1.10254|AVRG	1.15116|	1.15116|	
40 1,2-Dichloroethane	0.40025	0.42402	0.42402	0.42402	0.42402	0.42402|AVRG		0.26272|	2.81819|	2.81819|	
41 Benzene	1.25995	1.19011	1.19011	1.19011	1.19011	1.19011|AVRG		0.28397|	4.24139|	4.24139|	
42 Trichloroethylene	0.27283	0.26390	0.27194	0.28098	0.27691	0.27607|AVRG		0.00243|	8.90709|	8.90709|	<-
43 1,2-Dichloropropane	0.29669	0.30222	0.00261	0.00261	0.00260	0.00260|AVRG		0.15736|	3.33962|	3.33962|	
44 1,4-Dioxane	0.00242	0.00233	0.00233	0.00233	0.00233	0.00233|AVRG		0.15545|AVRG	0.37355|	0.37355|	
45 Dibromomethane	0.15285	0.16666	0.15822	0.15822	0.15822	0.15822|AVRG		0.37381|AVRG	8.38480|	8.38480|	
46 Bromodichloromethane	0.38193	0.38487	0.36100	0.37042	0.36100	0.37042|AVRG		0.36931|	0.15967|	0.15967|	
47 2-Chloroethyl vinyl ether	0.13950	0.14798	0.15985	0.16693	0.17284	0.17092|AVRG		0.17284|	4.05753|	4.05753|	
48 cis-1,3-Dichloropropene	0.43417	0.47734	0.43633	0.45487	0.46634	0.47331|AVRG		0.47331|	3.42375|	3.42375|	
49 4-Methyl-2-pentanone	0.23661	0.23635	0.25213	0.25538	0.25182	0.25182|AVRG		0.25538|	1.49327|	1.49327|	
50 Toluene	1.48717	1.54897	1.47049	1.49192	1.47049	1.47049|AVRG		1.49192|	1.98694|	1.98694|	

STL North Canton

INITIAL CALIBRATION DATA

```

:art Cal Date   : 16-AUG-2004 16:18
:id Cal Date   : 14-SEP-2004 15:41
:rant Method   : ISTD
:rgent Version  : 4.04
:tegrator      : HP RTE
:thod file     : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
:ll Date       : 14-Sep-2004 16:57 tapsvc

```

Compound	5.0000	10.0000	25.0000	50.0000	100.0000	200.0000	curve	b	Coefficients	m1	m2	%RSD or R^2
	Level 1	Level 2	Level 3	level 4	Level 5	Level 6						
51 trans-1,3-Dichloropropene	0.50647	0.53118	0.51429	0.54236	0.56606	0.56198|AVRG		0.53539|		4.16176|		
52 Ethyl Methacrylate	0.38934	0.45025	0.45000	0.4861	0.49453	0.49921|AVRG		0.46066|		8.88545|		
53 1,1,2-Trichloroethane	0.30188	0.31382	0.29748	0.30352	0.30279	0.29789|AVRG		0.30290|		1.95346|		
54 1,3-Dichloropropane	0.57206	0.59182	0.56392	0.55915	0.57182	0.55489|AVRG		0.57071|		1.99579|		
55 Tetrachloroethene	0.25509	0.26206	0.22142	0.2459	0.22718	0.24073|AVRG		0.24193|		6.47809|		
56 2-Hexanone	0.22234	0.23807	0.24231	0.24889	0.24506	0.25308|AVRG		0.24179|		4.48622|		
57 Dibromochloromethane	0.30967	0.33372	0.31997	0.31951	0.32624	0.32930|AVRG		0.32307|		2.64150|		
58 1,2-Dibromoethane	0.26921	0.31637	0.29041	0.30230	0.30732	0.30501|AVRG		0.29844|		5.56079|		
59 Chlorobenzene	0.96525	1.03980	0.94396	0.94705	0.94928	0.95592|AVRG		0.9688|		3.77675|		
60 1,1,1,2-Tetrachloroethane	0.33779	0.34414	0.32638	0.32925	0.34031	0.33757|AVRG		0.33590|		2.01341|		
61 Ethylbenzene	0.46024	0.50768	0.46972	0.48906	0.48935	0.51358|AVRG		0.48827|		4.24550|		
62 m + p-Xylene	0.60709	0.64675	0.61837	0.63926	0.62027	0.64155|AVRG		0.62888|		2.51086|		
63 Xylenes (total)	0.59346	0.64358	0.61984	0.63276	0.62064	0.64001|AVRG		0.62505|		2.92467|		
64 Xylene-o	0.56221	0.63725	0.62277	0.61975	0.62137	0.63694|AVRG		0.61738|		4.25246|		
65 Styrene	1.00309	1.11779	1.08299	1.11462	1.13838	1.16736|AVRG		1.10404|		5.14327|		
66 Bromoform	0.20132	0.22491	0.21511	0.21840	0.22531	0.23254|AVRG		0.21960|		4.91986|		
67 Isopropylbenzene	1.34498	1.36235	1.30493	1.41191	1.35691	1.46909|AVRG		1.37503|		4.17959|		

STL North Canton

INITIAL CALIBRATION DATA

art	Cal Date	:	16-AUG-2004	16:18
d	Cal Date	:	14-SEP-2004	15:41
ant	Method	:	ISTD	
rget	Version	:	4.04	
tegrator	RTE	:	HP	
thod	file	:	\qcanoh04\dd\chem\MSV\aa3ux11.i\J40914B-IC.b\8260LLUX11.m	
l	Date	:	14-Sep-2004	16:57
			tapsvc	

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Curve	b	Coefficients	%RSD
							ml	m2	or R^2
	5.0000	10.0000	25.0000	50.0000	100.0000	200.0000			
68 1,1,2,2-Tetrachloroethane	0.74074	0.78253	0.73952	0.75703	0.76116	0.74128|AVRG		0.75371|	2.23655|
69 1,4-Dichloro-2-butene	0.23161	0.23946	0.23911	0.25172	0.26183	0.26419|AVRG		0.24799|	5.37346|
70 1,2,3-Trichloropropene	0.25205	0.24157	0.24830	0.24773	0.24135	0.24135|AVRG		0.24733|	2.01646|
71 Bromobenzene	0.74497	0.77908	0.72155	0.75186	0.74513	0.73336|AVRG		0.74599|	2.60484|
72 n-Propylbenzene	0.71725	0.70753	0.62905	0.72290	0.67589	0.72046|AVRG		0.68879|	2.88741|
73 2-Chlorotoluene	0.71622	0.69234	0.65887	0.70074	0.67558	0.68895|AVRG		2.31439|	3.87363|
74 1,3,5-Trimethylbenzene	2.25968	2.26774	2.20534	2.39411	2.31559	2.44388|AVRG		0.73580|	3.30376|
75 4-Chlorotoluene	0.75654	0.75820	0.70598	0.74482	0.71695	0.72231|AVRG		1.87499|	5.07853|
76 tert-Butylbenzene	1.89049	1.94223	1.70074	1.94123	1.83516	1.94010|AVRG		2.47063|	4.49215|
77 1,2,4-Trimethylbenzene	2.33163	2.49724	2.38803	2.57507	2.50096	2.58086|AVRG		2.53792|	5.80556|
78 sec-Butylbenzene	2.66025	2.55624	2.29546	2.65769	2.44749	2.62040|AVRG		2.11151|	6.51441|
79 4-Isopropyltoluene	2.02816	2.10772	1.90515	2.27140	2.10588	2.25071|AVRG		1.37723|	5.27600|
80 1,3-Dichlorobenzene	1.50394	1.41628	1.30596	1.36771	1.33637	1.33353|AVRG		1.44089|	3.5234|
81 1,4-Dichlorobenzene	1.49216	1.50657	1.37893	1.45011	1.40876	1.40879|AVRG		1.88626|	7.3890|
82 n-Butylbenzene	1.86201	1.92154	1.64744	2.01989	1.84399	2.02271|AVRG		1.35648|	4.3970|
83 1,2-Dichlorobenzene	1.44948	1.40634	1.30068	1.35160	1.32364	1.30712|AVRG		0.12763|	1.4461|
84 1,2-Dibromo-3-chloropropane	0.12641	0.12593	0.12612	0.12831	0.13070	0.12832 AVRG			

STL North Canton

INITIAL CALIBRATION DATA

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:part Cal Date : 16-AUG-2004 16:18
:id Cal Date : 14-SEP-2004 15:41
:rant Method : ISTD
:arget Version : 4.04
:ntegrator : HP RTE
:stethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\82601LUX11.m
:al Date : 14-Sep-2004 16:57 tapsvc

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Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve 	b 	Coefficients m1 	%RSD or R^2
85 1,2,4-Trichlorobenzene	0.56391	0.60976	0.52246	0.58135	0.57721	0.60830 |AVRG|	-	0.57750 |	5.59592 |	
86 Hexachlorobutadiene	36648	62649	126348	272701	475339 |	979903 |QUAD|	-0.05586 |	4.17449 |	0.99883 |	
87 Naphthalene	1.19572	1.26888	1.21865	1.39469 |	1.53442 |	1.56161 |AVRG|	-	1.33300 |	11.77993 |	
88 1,2,3-Trichlorobenzene	0.38318 |	0.44192 |	0.36462 |	0.41931 |	0.44173 |	0.43401 |AVRG|	-	0.41413 |	7.90998 |	
89 Ethyl Ether	0.26862 |	0.25572 |	0.24190 |	0.23651 |	0.23958 |	0.23653 |AVRG|	-	0.24654 |	5.24098 |	
90 Ethanol	+***+	+***+	+***+	+***+	+***+	+***+ |AVRG|	-	0.000e+000 |	0.000e+000 |<-	
91 3-Chloropropene	0.08501 |	0.09752 |	0.10420 |	0.10696 |	0.10892 |	0.11570 |AVRG|	-	0.10305 |	10.33497 |	
92 Isopropyl Ether	0.19894 |	0.21144 |	0.22424 |	0.23464 |	0.23633 |	0.23561 |AVRG|	-	0.22353 |	6.88556 |	
93 2-Chloro-1,3-butadiene	0.33010 |	0.35251 |	0.38261 |	0.39081 |	0.38671 |	0.39380 |AVRG|	-	0.37276 |	6.88550 |	
94 Propionitrile	0.04383 |	0.04396 |	0.04410 |	0.04111 |	0.04094 |	0.03930 |AVRG|	-	0.04231 |	4.40359 |	
95 Ethyl Acetate	0.25153 |	0.23918 |	0.24678 |	0.23828 |	0.24450 |	0.25022 |AVRG|	-	0.24508 |	2.25277 |	
96 Methacrylonitrile	0.15470 |	0.15983 |	0.15530 |	0.15862 |	0.16298 |	0.16195 |AVRG|	-	0.15890 |	2.13440 |	
97 Isobutanol	0.01214 |	0.01067 |	0.01151 |	0.01109 |	0.01159 |	0.01152 |AVRG|	-0.01142 |	4.36240 |		
98 Cyclohexane	0.37486 |	0.38746 |	0.29089 |	0.40866 |	0.34684 |	0.39833 |AVRG|	-	0.36784 |	11.78329 |	
99 n-Butanol	0.00708 |	0.00755 |	0.00826 |	0.00839 |	0.00871 |	0.00930 |AVRG|	-	0.00822 |	9.71167 |<-	
100 Methyl Methacrylate	0.17898 |	0.17553 |	0.18573 |	0.19952 |	0.20913 |	0.22296 |AVRG|	-	0.19531 |	9.50417 |	
101 2-Nitropropane	0.05322 |	0.06193 |	0.06220 |	0.06218 |	0.06202 |	0.06322 |AVRG|	-	0.06079 |	6.15064 |	

Date : 14-Sep-2004 17:05

STL North Canton

INITIAL CALIBRATION DATA

1st Cal Date : 16-AUG-2004 16:18
 1st Cal Date : 14-SEP-2004 15:41
 Int Method : ISTD
 Target Version : 4.04
 Integrator : HP RTE
 Method file : \\gcanoh04\dd\chem\MSV\aux11.i\J40914B-IC.b\8260LIUX11.m
 1st Date : 14-Sep-2004 16:57 tapsvc

Compound	Coefficients						%RSD or R^2					
	m1	m2	b	Curve	Level 1	Level 2						
				5.0000	10.0000	25.0000	50.0000	100.0000	200.0000	Level 4	Level 5	Level 6
102 Chloropicrin	0.02167	0.02329	0.02670	+++++	0.02927	0.03085	0.03125	AVRG	0.000e+000	0.000e+000	0.000e+000	0.000e+000
103 Cyclohexanone				+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	0.000e+000	0.000e+000
104 Pentachloroethane				+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	0.000e+000	0.000e+000
105 Benzyl Chloride				+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	0.000e+000	0.000e+000
134 Thiophene				+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	0.000e+000	0.000e+000
135 Crotononitrile(1st Isomer)				+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	0.000e+000	0.000e+000
136 Crotononitrile(2nd Isomer)				+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	0.000e+000	0.000e+000
137 Total Crotononitrile				+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	0.000e+000	0.000e+000
138 Paraldehyde				+++++	+++++	+++++	+++++	AVRG	0.76231	7.98573	5.65840	0.20568
139 3,3,5-Trimethylcyclohexanone				+++++	+++++	+++++	+++++	AVRG	0.73463	0.75989	0.7961	0.19750
140 1-Chlorohexane	0.85746		0.79676		0.67661		0.75989	AVRG		0.30868		13.21820
141 1,3,5-Trichlorobenzene	0.22313		0.21756		0.20107		0.19663	AVRG		0.000e+000		0.000e+000
143 Methyl Acetate	0.34643		0.31604		0.23920		0.34078	AVRG		0.000e+000		10.000e+000
144 Methylcyclohexane				+++++	+++++	+++++	+++++	AVRG				
145 Dimethylnaphthalene				+++++	+++++	+++++	+++++	AVRG				
146 2-Methylnaphthalene				+++++	+++++	+++++	+++++	AVRG				

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 16-AUG-2004 16:18
 id Cal Date : 14-SEP-2004 15:41
 lant Method : ISTD
 rget Version : 4.04
 itegrator : HP RTE
 ;thod file : \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-IC.b\\8260ILLUX11.m
 i1 Date : 14-Sep-2004 16:57 tapsvc

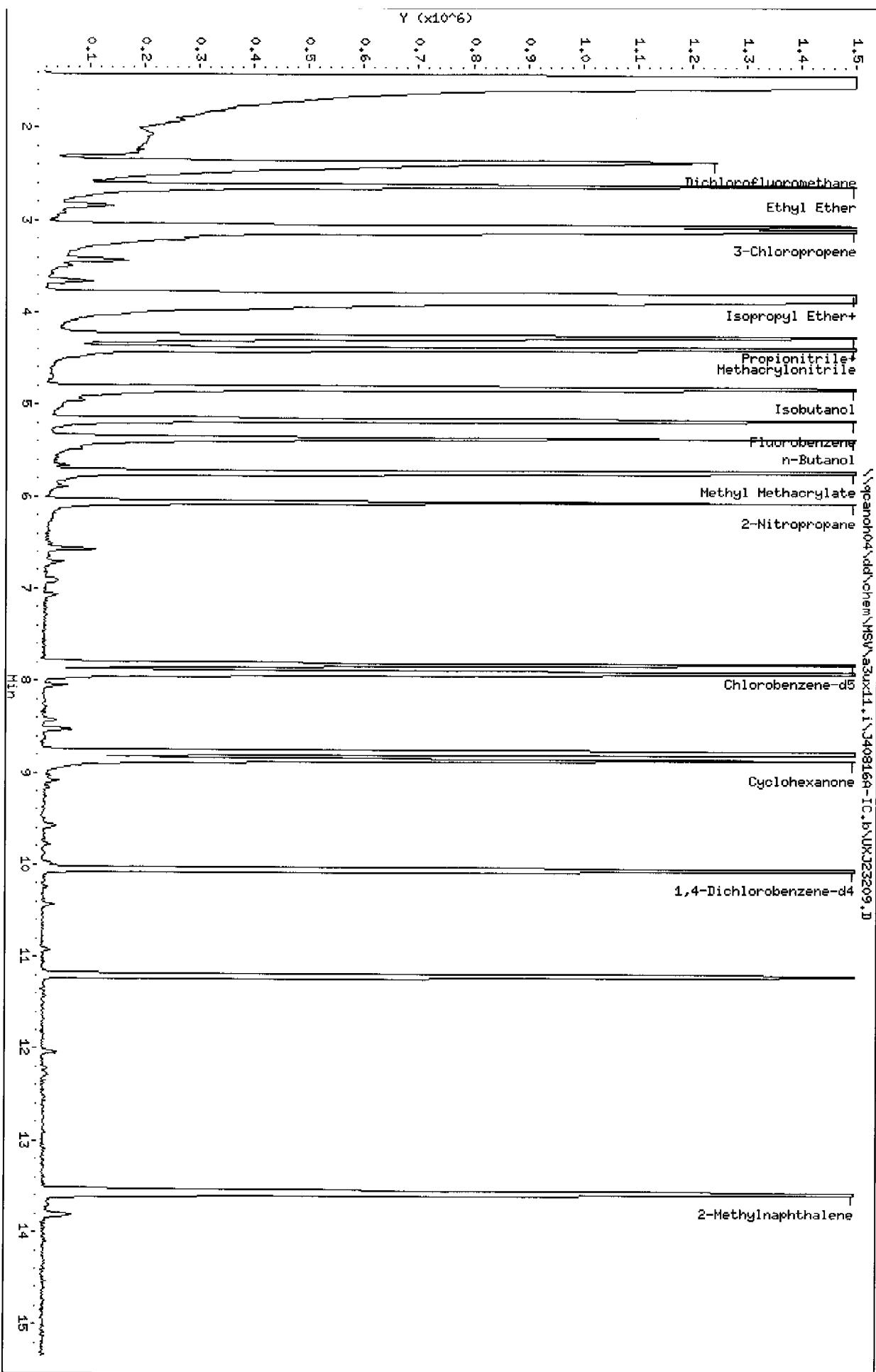
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	Coefficients	%RSD
							m1	m2	or R^2	
4 Dibromofluoromethane	0.22899	0.23170	0.22899	0.23960	0.23428	0.23320	AVRG	0.23279	1.70494	
5 1,2-Dichloroethane-d4	0.31268	0.30905	0.31321	0.31481	0.33897	0.33187	AVRG	0.32011	3.81724	
6 Toluene-d8	1.15061	1.17656	1.24959	1.241381	1.20619	1.21032	AVRG	1.20120	2.83165	
7 Bromofluorobenzene	0.48378	0.51078	0.51438	0.50777	0.52150	0.52405	AVRG	0.51038	2.83658	

Curve	Formula	Units
Averaged	Amt = Rsp*m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\pcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40816A-IC.b\\URJ23209.D
Date : 16-AUG-2004 16:18

Client ID:
Sample Info: 200NG-A9IC
Purge Volume: 5.0
Column Phaset: DB624

Instrument: a3ux11.i
Operator: 435882
Column diameter: 0.18
\\\\pcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40816A-IC.b\\URJ23209.D



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Report Date: 17-Aug-2004 14:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Lab Smp Id: 200NG-A9IC
Inj Date : 16-AUG-2004 16:18
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:56 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	ON-COL
* 1 Fluorobenzene	96	5.171	5.171 (1.000)	2040512	50.0000		
* 2 Chlorobenzene-d5	117	7.822	7.822 (1.000)	1444382	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046 (1.000)	767740	50.0000		
14 Dichlorofluoromethane	67	2.367	2.367 (0.458)	4007314	200.000	202.48 (A)	
89 Ethyl Ether	59	2.627	2.627 (0.508)	1930594	200.000	191.88	
91 3-Chloropropene	76	3.112	3.112 (0.602)	944322	200.000	224.54 (A)	
92 Isopropyl Ether	87	3.810	3.810 (0.737)	9615196	1000.00	1054.0 (A)	
93 2-Chloro-1,3-butadiene	53	3.846	3.846 (0.744)	3214209	200.000	211.29 (A)	
94 Propionitrile	54	4.260	4.260 (0.824)	651311	400.000	377.22 (A)	
95 Ethyl Acetate	43	4.260	4.260 (0.824)	4084685	400.000	408.39 (A)	
96 Methacrylonitrile	41	4.390	4.390 (0.849)	1321846	200.000	203.84 (A)	
97 Isobutanol	41	4.816	4.816 (0.616)	1331366	4000.00	4036.3 (A)	
99 n-Butanol	56	5.361	5.361 (0.685)	1074873	4000.00	4527.6 (A)	
100 Methyl Methacrylate	41	5.727	5.727 (1.108)	1819805	200.000	228.32 (A)	
101 2-Nitropropane	41	6.059	6.059 (1.172)	1031981	400.000	415.94 (A)	
103 Cyclohexanone	55	8.851	8.851 (0.881)	959642	2000.00	2300.0 (A)	
146 2-Methylnaphthalene	142	13.561	13.561 (1.350)	4079814	400.000	1085.6 (A)	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Report Date: 17-Aug-2004 14:56

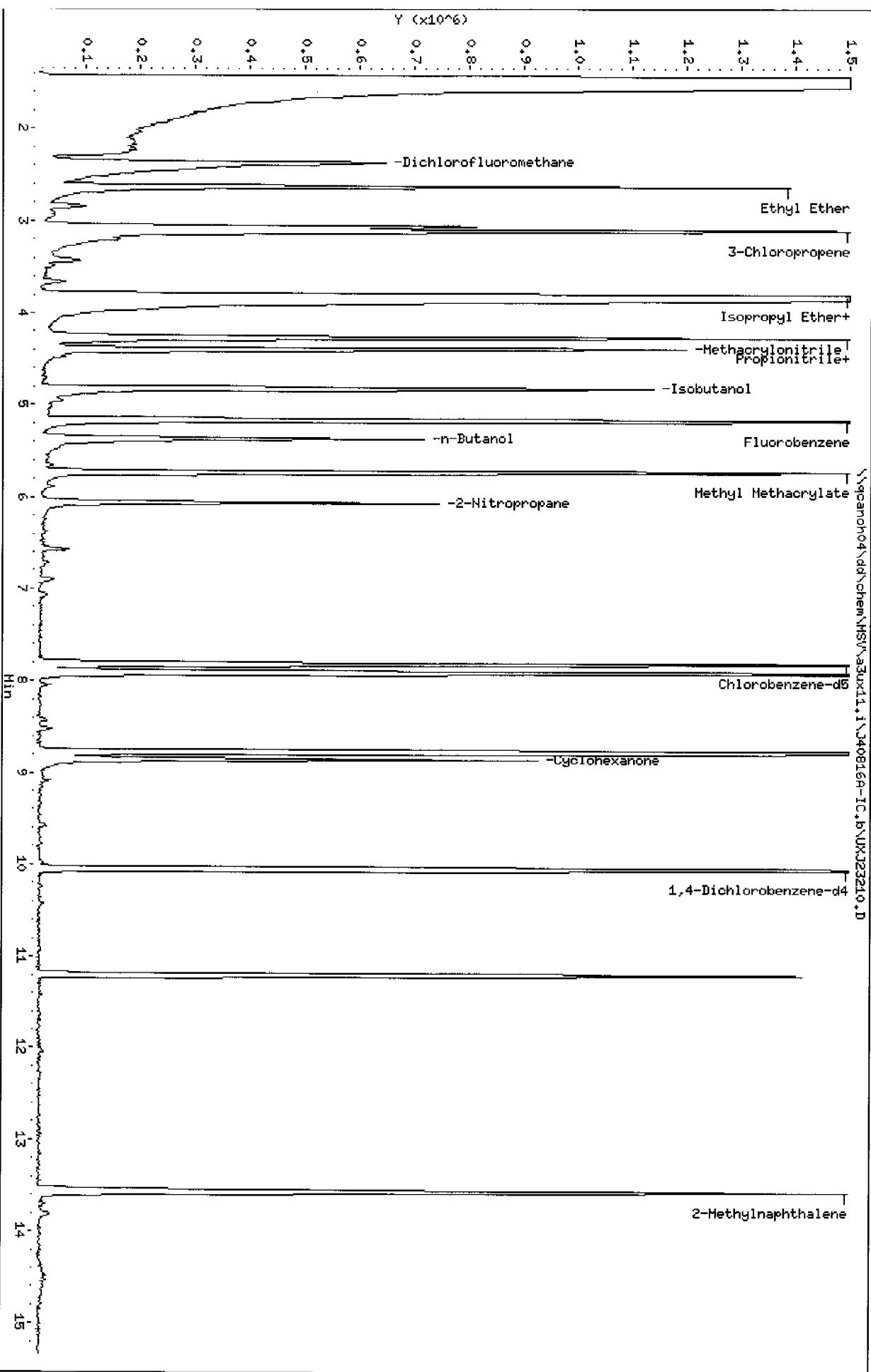
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Instrument: a30x11.i

Operator: 43582

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\ a3ux11.i\J40816A-IC.b\UXJ23210.D
Report Date: 17-Aug-2004 14:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\ a3ux11.i\J40816A-IC.b\UXJ23210.D
Lab Smp Id: 100NG-A9IC
Inj Date : 16-AUG-2004 16:40
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-A9IC
Misc Info : J40816A-IC, 8260LLUX11, 3-IX.SUB, 43582, 1, 5
Comment :
Method : \\QCANOH04\dd\chem\MSV\ a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:56 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL ( ng)
* 1 Fluorobenzene	96	5.171	5.171 (1.000)	1987706	50.0000		
* 2 Chlorobenzene-d5	117	7.822	7.822 (1.000)	1429041	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046 (1.000)	734335	50.0000		
14 Dichlorofluoromethane	67	2.367	2.367 (0.458)	1919583	100.000	99.570	
89 Ethyl Ether	59	2.627	2.627 (0.508)	952411	100.000	97.174	
91 3-Chloropropene	76	3.112	3.112 (0.602)	432982	100.000	105.69	
92 Isopropyl Ether	87	3.810	3.810 (0.737)	4697492	500.000	528.62 (A)	
93 2-Chloro-1,3-butadiene	53	3.846	3.846 (0.744)	1537316	100.000	103.74	
94 Propionitrile	54	4.260	4.260 (0.824)	325535	200.000	193.55	
95 Ethyl Acetate	43	4.260	4.260 (0.824)	1943985	200.000	199.52	
96 Methacrylonitrile	41	4.390	4.390 (0.849)	647907	100.000	102.57	
97 Isobutanol	41	4.816	4.816 (0.616)	662388	2000.00	2029.7 (A)	
99 n-Butanol	56	5.361	5.361 (0.685)	498130	2000.00	2120.8 (A)	
100 Methyl Methacrylate	41	5.727	5.727 (1.108)	831362	100.000	107.08	
101 2-Nitropropane	41	6.059	6.059 (1.172)	493098	200.000	204.02 (A)	
103 Cyclohexanone	55	8.851	8.851 (0.881)	453132	1000.00	1135.4 (A)	
146 2-Methylnaphthalene	142	13.561	13.561 (1.350)	1299383	200.000	361.47 (A)	

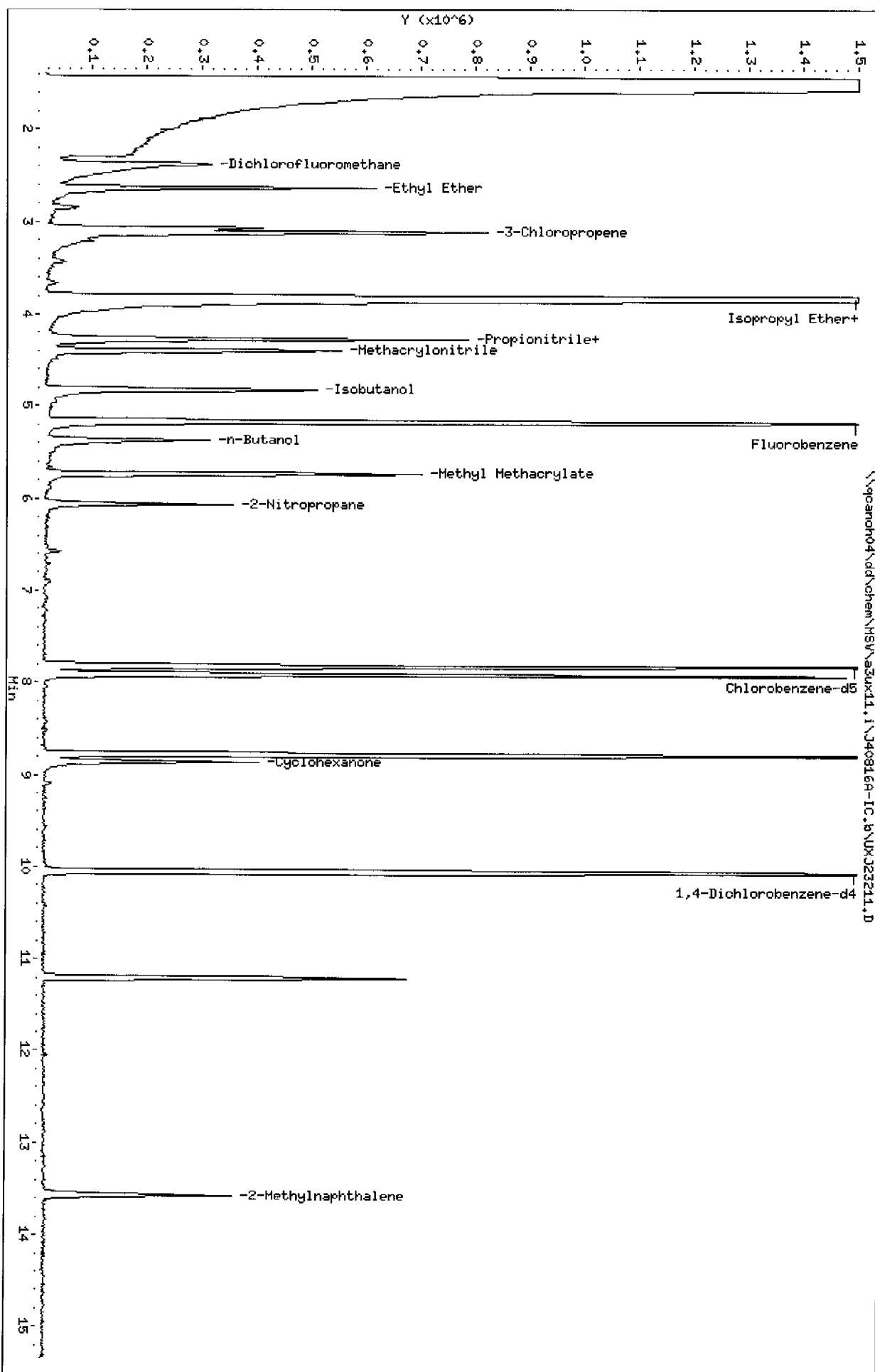
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Report Date: 17-Aug-2004 14:57

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\pcanoh04\\dd\\chem\\HSW\\a30x11.i\\J40816A-IC.b\\UXJ23211.D
Date : 16-AUG-2004 17:03
Client ID:
Sample Info: 50HG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a30x11.i
Operator: 43582
Column diameter: 0.18
\\pcanoh04\\dd\\chem\\HSW\\a30x11.i\\J40816A-IC.b\\UXJ23211.D



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23211.D
Lab Smp Id: 50NG-A9IC
Inj Date : 16-AUG-2004 17:03
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:57 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	( ng)
* 1 Fluorobenzene	96	5.171	5.171 (1.000)	1946935	50.0000		
* 2 Chlorobenzene-d5	117	7.822	7.822 (1.000)	1394264	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046 (1.000)	698314	50.0000		
14 Dichlorofluoromethane	67	2.379	2.379 (0.460)	957001	50.0000	50.680	
89 Ethyl Ether	59	2.639	2.639 (0.510)	461257	50.0000	48.047	
91 3-Chloropropene	76	3.112	3.112 (0.602)	208248	50.0000	51.898	
92 Isopropyl Ether	87	3.810	3.810 (0.737)	2284128	250.000	262.42 (A)	
93 2-Chloro-1,3-butadiene	53	3.846	3.846 (0.744)	760882	50.0000	52.422	
94 Propionitrile	54	4.260	4.260 (0.824)	160094	100.000	97.178	
95 Ethyl Acetate	43	4.272	4.272 (0.826)	927819	100.000	97.223	
96 Methacrylonitrile	41	4.390	4.390 (0.849)	308829	50.0000	49.914	
97 Isobutanol	41	4.816	4.816 (0.616)	309158	1000.00	970.97 (A)	
99 n-Butanol	56	5.361	5.361 (0.685)	234037	1000.00	1021.2 (A)	
100 Methyl Methacrylate	41	5.727	5.727 (1.108)	388455	50.0000	51.079	
101 2-Nitropropane	41	6.059	6.059 (1.172)	242106	100.000	102.27	
103 Cyclohexanone	55	8.851	8.851 (0.881)	204421	500.000	538.66 (A)	
146 2-Methylnaphthalene	142	13.561	13.561 (1.350)	247408	100.000	72.376	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23211.D
Report Date: 17-Aug-2004 14:57

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Client ID:

Sample Info: 25HG-A9IC

Purge Volume: 5.0

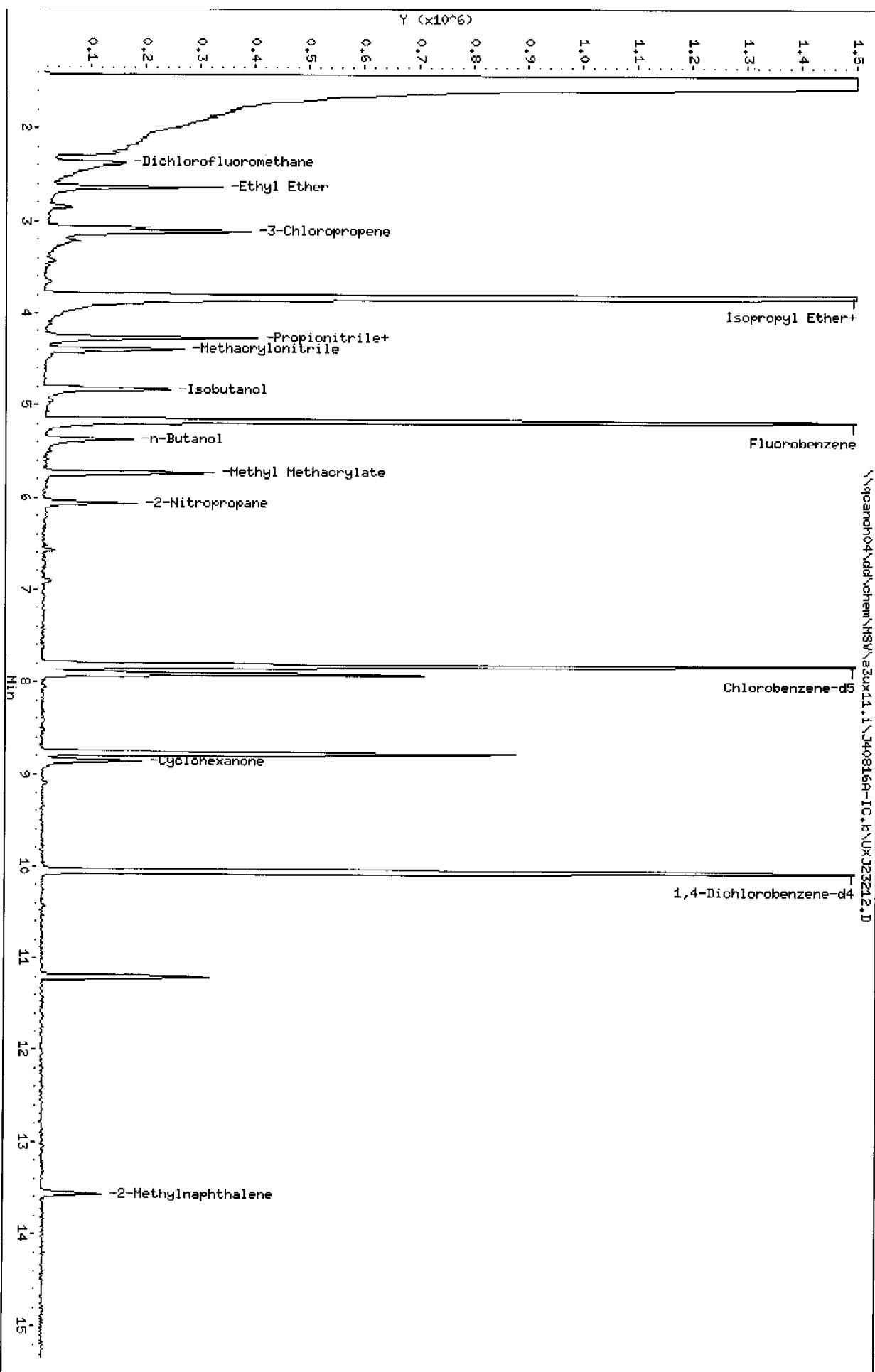
Column phase: DB624

Instrument: z30x11.i

Operator: 43582

Column diameter: 0.18

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Data File: \\qcanoh04\dd\chem\MSV\ a3ux11.i\J40816A-IC.b\UXJ23212.D
Report Date: 17-Aug-2004 14:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\ a3ux11.i\J40816A-IC.b\UXJ23212.D
Lab Smp Id: 25NG-A9IC
Inj Date : 16-AUG-2004 17:26
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-A9IC
Misc Info : J40816A-IC, 8260LLUX11, 3-IX.SUB, 43582, 1, 3
Comment :
Method : \\QCANOH04\dd\chem\MSV\ a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:57 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)
* 1 Fluorobenzene	96	5.171	5.171 (1.000)	1894679	50.0000		
* 2 Chlorobenzene-d5	117	7.822	7.822 (1.000)	1362249	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046 (1.000)	685784	50.0000		
14 Dichlorofluoromethane	67	2.378	2.378 (0.460)	460035	25.0000	25.034	
89 Ethyl Ether	59	2.639	2.639 (0.510)	229157	25.0000	24.529	
91 3-Chloropropene	76	3.112	3.112 (0.602)	98714	25.0000	25.279	
92 Isopropyl Ether	87	3.810	3.810 (0.737)	1062158	125.000	125.40	
93 2-Chloro-1,3-butadiene	53	3.846	3.846 (0.744)	362465	25.0000	25.661	
94 Propionitrile	54	4.260	4.260 (0.824)	83549	50.0000	52.114	
95 Ethyl Acetate	43	4.272	4.272 (0.826)	467574	50.0000	50.347	
96 Methacrylonitrile	41	4.390	4.390 (0.849)	147119	25.0000	24.434	
97 Isobutanol	41	4.816	4.816 (0.616)	156732	500.000	503.82 (A)	
99 n-Butanol	56	5.372	5.372 (0.687)	112573	500.000	502.78 (A)	
100 Methyl Methacrylate	41	5.727	5.727 (1.108)	175947	25.0000	23.774	
101 2-Nitropropane	41	6.059	6.059 (1.172)	117850	50.0000	51.156	
103 Cyclohexanone	55	8.851	8.851 (0.881)	91550	250.000	245.65 (A)	
146 2-Methylnaphthalene	142	13.561	13.561 (1.350)	80002	50.0000	23.831	

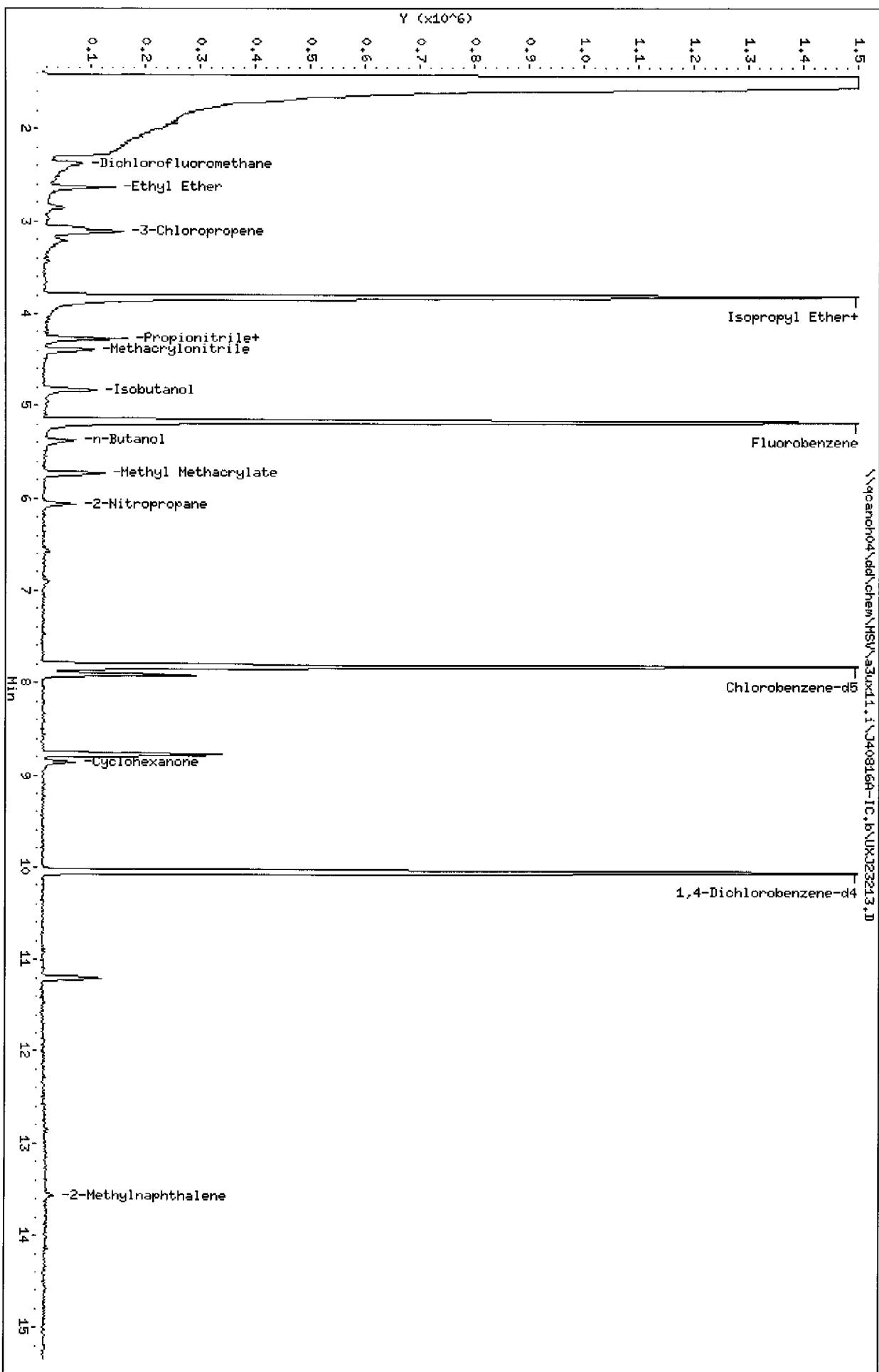
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Report Date: 17-Aug-2004 14:58

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcancho04\\dd\\chem\\MSV\\a30x11.i\\J40816A-IC.b\\UKJ3213.D
Date : 16-AUG-2004 17:48
Client ID:
Sample Info: 10NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a30x11.i
Operator: 43582
Column diameter: 0.18
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Data File: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40816A-IC.b\\UXJ23213.D
Report Date: 17-Aug-2004 14:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40816A-IC.b\\UXJ23213.D
Lab Smp Id: 10NG-A9IC
Inj Date : 16-AUG-2004 17:48
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,2
Comment :
Method : \\QCANOH04\\dd\\chem\\MSV\\a3ux11.i\\J40816A-IC.b\\8260LLUX11.m
Meth Date : 17-Aug-2004 14:58 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

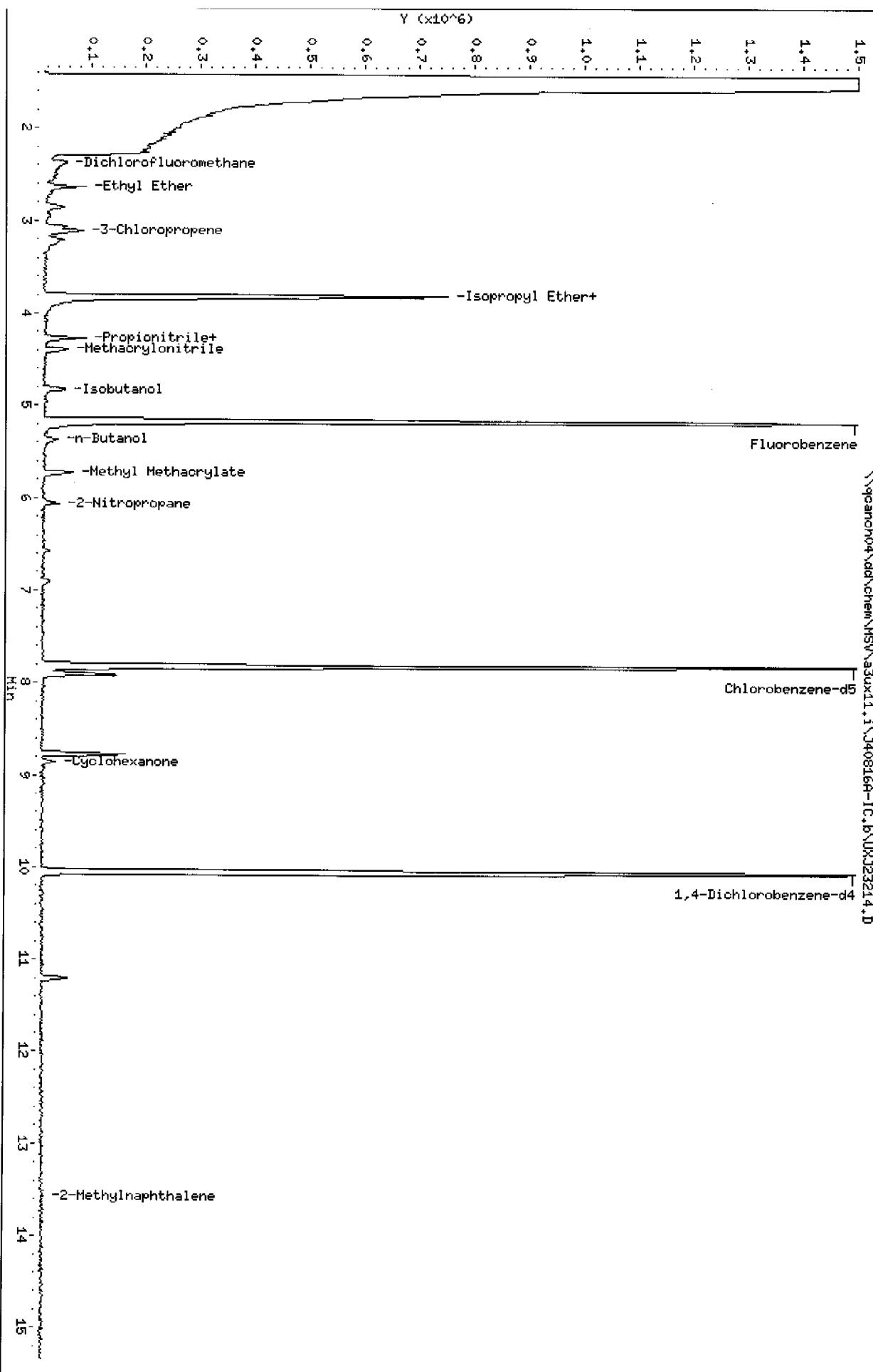
Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL ( ng)
* 1 Fluorobenzene	96	5.171	5.171 (1.000)	1783996	50.0000		
* 2 Chlorobenzene-d5	117	7.822	7.822 (1.000)	1312732	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046 (1.000)	643754	50.0000		
14 Dichlorofluoromethane	67	2.379	2.379 (0.460)	178398	10.0000	10.310	
89 Ethyl Ether	59	2.639	2.639 (0.510)	91239	10.0000	10.372	
91 3-Chloropropene	76	3.112	3.112 (0.602)	34795	10.0000	9.463	
92 Isopropyl Ether	87	3.810	3.810 (0.737)	377202	50.0000	47.294	
93 2-Chloro-1,3-butadiene	53	3.846	3.846 (0.744)	125775	10.0000	9.457	
94 Propionitrile	54	4.260	4.260 (0.824)	31372	20.0000	20.782	
95 Ethyl Acetate	43	4.272	4.272 (0.826)	170678	20.0000	19.518	
96 Methacrylonitrile	41	4.390	4.390 (0.849)	57028	10.0000	10.059	
97 Isobutanol	41	4.828	4.828 (0.617)	56016	200.000	186.86	
99 n-Butanol	56	5.384	5.384 (0.688)	39656	200.000	183.79	
100 Methyl Methacrylate	41	5.727	5.727 (1.108)	62629	10.0000	8.987	
101 2-Nitropropane	41	6.059	6.059 (1.172)	44196	20.0000	20.375	
103 Cyclohexanone	55	8.851	8.851 (0.881)	29984	100.000	85.706	
146 2-Methylnaphthalene	142	13.561	13.561 (1.350)	13721	20.0000	4.354	

Data File: \\pcanch04\\dd\\Chem\\MSI\\a30x11.i\\J40816A-IC.b\\UXJ23214.D
Date : 16-AUG-2004 18:11
Client ID:
Sample Info: SNC-A91C
Purge Volume: 5.0
Column phase: DB624

Instrument: a30x11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40816A-IC.b\\UXJ23214.D
Report Date: 17-Aug-2004 14:59

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VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40816A-IC.b\\UXJ23214.D
Lab Smp Id: 5NG-A9IC
Inj Date : 16-AUG-2004 18:11
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,1
Comment :
Method : \\QCANOH04\\dd\\chem\\MSV\\a3ux11.i\\J40816A-IC.b\\8260LLUX11.m
Meth Date : 17-Aug-2004 14:59 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL ( ng)
* 1 Fluorobenzene	96	5.171	5.171 (1.000)	1729289	50.0000		
* 2 Chlorobenzene-d5	117	7.822	7.822 (1.000)	1295054	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046 (1.000)	623017	50.0000		
14 Dichlorofluoromethane	67	2.379	2.379 (0.460)	79325	5.00000	4.730	
89 Ethyl Ether	59	2.639	2.639 (0.510)	46453	5.00000	5.448	
91 3-Chloropropene	76	3.112	3.112 (0.602)	14700	5.00000	4.124	
92 Isopropyl Ether	87	3.822	3.822 (0.739)	172012	25.0000	22.250	
93 2-Chloro-1,3-butadiene	53	3.846	3.846 (0.744)	57084	5.00000	4.428	
94 Propionitrile	54	4.260	4.260 (0.824)	15160	10.0000	10.360	
95 Ethyl Acetate	43	4.272	4.272 (0.826)	86994	10.0000	10.263	
96 Methacrylonitrile	41	4.390	4.390 (0.849)	26752	5.00000	4.868	
97 Isobutanol	41	4.816	4.816 (0.616)	31443	100.000	106.32	
99 n-Butanol	56	5.372	5.372 (0.687)	18347	100.000	86.193	
100 Methyl Methacrylate	41	5.727	5.727 (1.108)	30951	5.00000	4.582	
101 2-Nitropropane	41	6.059	6.059 (1.172)	18407	10.0000	8.754	
103 Cyclohexanone	55	8.851	8.851 (0.881)	13502	50.0000	39.878	
146 2-Methylnaphthalene	142	13.561	13.561 (1.350)	1849	10.0000	0.6063	

Data File: \\qcanoh04\\dd\\chem\\MSV\\a30x11.i\\J40914B-IC.b\\UX323870.D
Date : 14-SEP-2004 13:48

Client ID:

Sample Info: 200NG-IC

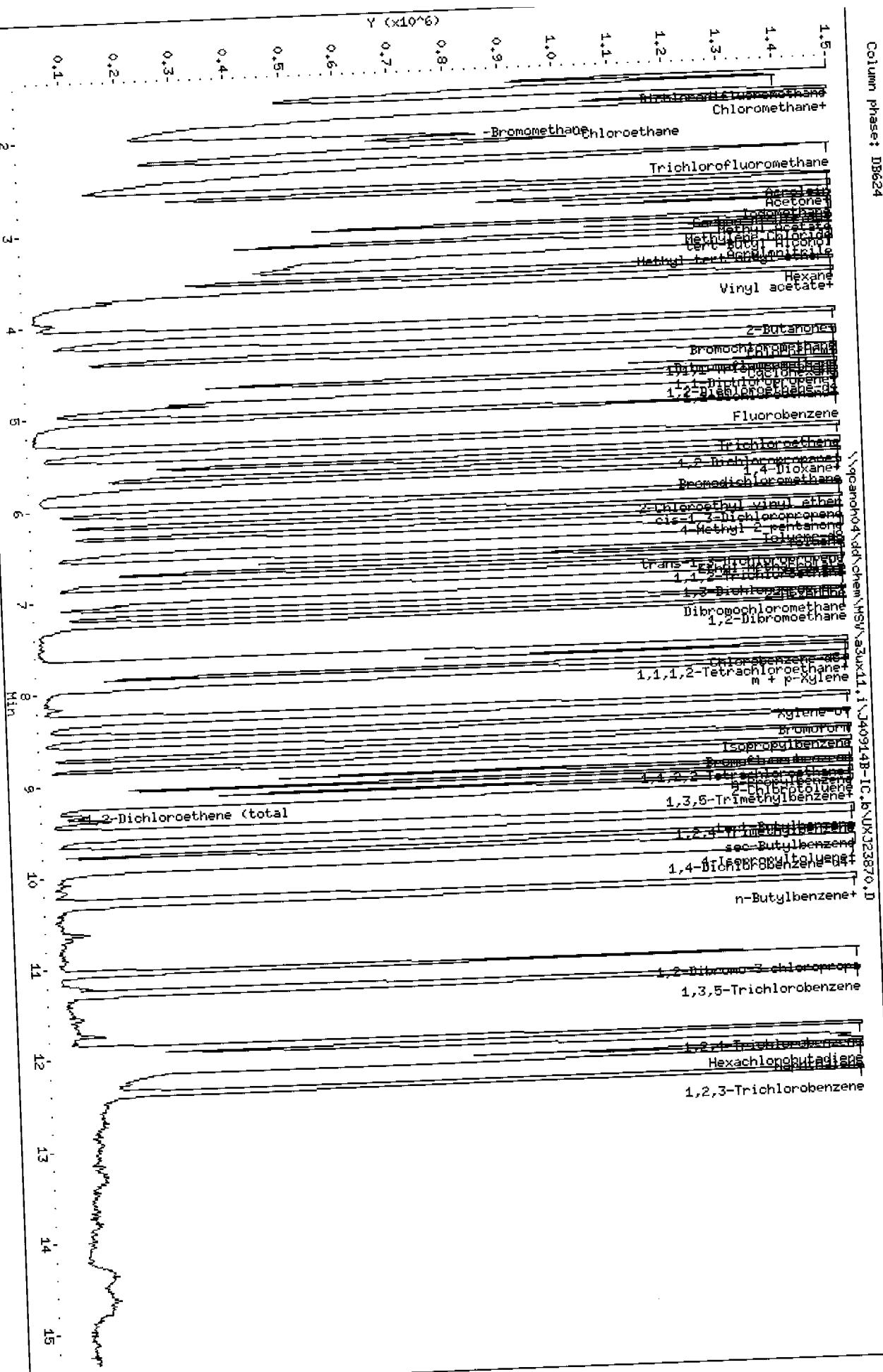
Purge Volume: 5.0

Column Phase: IB624

Instrument: a30x11.i

Operator: 43582

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23870.D
Report Date: 15-Sep-2004 12:45

STL North Canton

VOLATILE REPORT SW-846 Method

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23870.D
Lab Smp Id: 200NG-IC
Inj Date : 14-SEP-2004 13:48 Inst ID: a3ux11.i
Operator : 43582
Smp Info : 200NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m Quant Type: ISTD
Meth Date : 15-Sep-2004 12:45 evans1 Cal File: UXJ23875.D
Cal Date : 14-SEP-2004 15:41 Calibration Sample, Level: 6
Als bottle: 2
Dil Factor: 1.00000 Compound Sublist: 2-8260.SUB
Integrator: HP RTE
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ng)	(ng)
*	1 Fluorobenzene	96	5.029	5.029 (1.000)		2337325	50.0000	
*	2 Chlorobenzene-d5	117	7.668	7.668 (1.000)		1845289	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)		1029809	50.0000	
\$	4 Dibromofluoromethane	113	4.473	4.473 (0.889)		2180284	200.000	200.35(A)
\$	5 1,2-Dichloroethane-d4	65	4.745	4.745 (0.944)		3102729	200.000	207.35(A)
\$	6 Toluene-d8	98	6.366	6.366 (0.830)		8933577	200.000	201.52(A)
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.145)		3868072	200.000	205.36(A)
\$	8 Dichlorodifluoromethane	85	1.527	1.527 (0.304)		2468303	200.000	202.00(A)
9	Chloromethane	50	1.680	1.680 (0.334)		4015293	200.000	184.04
10	Vinyl Chloride	62	1.763	1.763 (0.351)		3096925	200.000	207.51(A)
11	Bromomethane	94	2.047	2.047 (0.407)		1310746	200.000	185.17
12	Chloroethane	64	2.118	2.118 (0.421)		2147474	200.000	195.79
13	Trichlorofluoromethane	101	2.296	2.296 (0.457)		3119390	200.000	199.42
15	Acrolein	56	2.603	2.603 (0.518)		2896520	2000.00	1983.9
16	Acetone	43	2.722	2.722 (0.541)		1907733	400.000	400.17(A)
17	1,1-Dichloroethene	96	2.710	2.710 (0.539)		2115099	200.000	202.35(A)
18	Freon-113	151	2.722	2.722 (0.541)		1494012	200.000	200.47(A)

Data File: \\qcanoh04\dd\chem\MSV\3aux11.i\J40914B-1C.D \UAN430100
 Report Date: 15-Sep-2004 12:45

Compounds	QUANT SIG	MASS	AMOUNTS					
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
Iodomethane		142	2.828	2.828 (0.562)		3111800	200.000	201.42 (A)
Carbon Disulfide		76	2.899	2.899 (0.577)		7890340	200.000	202.08 (A)
Methylene Chloride		84	3.077	3.077 (0.612)		2622600	200.000	200.02 (A)
Acetonitrile		41	2.935	2.935 (0.584)		2423653	2000.00	1747.2
Acrylonitrile		53	3.254	3.254 (0.647)		8435321	2000.00	1955.4
Methyl tert-butyl ether		73	3.301	3.301 (0.657)		6861860	200.000	204.77 (A)
trans-1,2-Dichloroethene		96	3.301	3.301 (0.657)		2403695	200.000	200.35 (A)
Hexane		86	3.526	3.526 (0.701)		460062	200.000	213.40 (A)
Vinyl acetate		43	3.656	3.656 (0.727)		4234296	200.000	197.70
1,1-Dichloroethane		63	3.633	3.633 (0.722)		4472069	200.000	3622.6 (A)
tert-Butyl Alcohol		59	3.148	3.148 (0.626)		3293397	4000.00	376.83 (A)
2-Butanone		43	4.082	4.082 (0.812)		2412455	400.000	389.38
1,2-Dichloroethene (total)		96				4951179	400.000	195.53
cis-1,2-dichloroethene		96	4.094	4.094 (0.814)		2547484	200.000	202.48 (A)
2,2-Dichloropropane		77	4.094	4.094 (0.814)		2760188	200.000	191.98
Bromochloromethane		128	4.284	4.284 (0.852)		1158230	200.000	194.27
Chloroform		83	4.343	4.343 (0.864)		4417574	200.000	199.60
Tetrahydrofuran		42	4.331	4.331 (0.861)		3459032	200.000	201.42 (A)
1,1,1-Trichloroethane		97	4.508	4.508 (0.896)		3312291	200.000	206.94 (A)
1,1-Dichloropropene		75	4.639	4.639 (0.922)		2829152	200.000	209.81 (A)
Carbon Tetrachloride		117	4.650	4.650 (0.925)		3659770	200.000	196.98
1,2-Dichloroethane		62	4.804	4.804 (0.955)		10307958	200.000	191.55
Benzene		78	4.816	4.816 (0.958)			199.89	
Trichloroethene		130	5.337	5.337 (1.061)		2454964	200.000	194.44
Dichloropropane		63	5.514	5.514 (1.096)		2581062	200.000	8446.6 (A)
1,4-Dioxane		88	5.621	5.621 (1.118)		961094	10000.0	197.58
Dibromomethane		93	5.621	5.621 (1.118)		1453325	200.000	200.14 (A)
Bromodichloromethane		83	5.739	5.739 (1.141)		3494837	200.000	428.19 (A)
2-Chloroethyl vinyl ether		63	5.988	5.988 (1.191)		3196023	400.000	207.11 (A)
cis-1,3-Dichloropropene		75	6.130	6.130 (1.219)		4425099	200.000	409.86 (A)
4-Methyl-2-pentanone		43	6.248	6.248 (1.242)		4708742	400.000	200.23 (A)
Toluene		91	6.425	6.425 (0.838)		11034583	200.000	209.93 (A)
trans-1,3-Dichloropropene		75	6.603	6.603 (0.861)		4148070	200.000	216.74 (A)
Ethyl Methacrylate		69	6.674	6.674 (0.870)		3684757	200.000	196.70
1,1,2-Trichloroethane		97	6.769	6.769 (0.883)		2198790	200.000	197.96
Dichloropropane		76	6.922	6.922 (0.903)		4169551	200.000	199.01
Tetrachloroethene		164	6.934	6.934 (0.904)		1776877	200.000	418.68 (A)
2-Hexanone		43	6.982	6.982 (0.911)		3736062	400.000	203.85 (A)
Dibromochloromethane		129	7.135	7.135 (0.931)		2430585	200.000	204.40 (A)
1,2-Dibromoethane		107	7.242	7.242 (0.944)		2251324	200.000	197.73
Chlorobenzene		112	7.703	7.703 (1.005)		7055771	200.000	200.99 (A)
1,1,1,2-Tetrachloroethane		131	7.774	7.774 (1.014)		2491620	200.000	210.37 (A)
Ethylbenzene		106	7.798	7.798 (1.017)		3790824	200.000	408.06 (A)
m + p-Xylene		106	7.904	7.904 (1.031)		9470698	400.000	614.39
Xylenes (total)		106				14172021	600.000	206.33 (A)
Xylene- <i>o</i>		106	8.283	8.283 (1.080)		4701323	200.000	211.47 (A)
Styrene		104	8.295	8.295 (1.082)		8616448	200.000	

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng) ON-COL (ng)
66 Bromoform	====	173	8.472	8.472 (1.105)	1716386	200.000	211.78 (A)
67 Isopropylbenzene	105	8.626	8.626 (1.125)	10843610	200.000	213.68 (A)	
68 1,1,2,2-Tetrachloroethane	83	8.898	8.898 (0.898)	3053504	200.000	196.70	
69 1,4-Dichloro-2-butene	53	8.958	8.958 (0.904)	1088280	200.000	213.07 (A)	
70 1,2,3-Trichloropropane	110	8.946	8.946 (0.903)	994195	200.000	195.17	
71 Bromobenzene	156	8.922	8.922 (0.901)	3020894	200.000	196.61	
72 n-Propylbenzene	120	9.029	9.029 (0.912)	2967729	200.000	207.17 (A)	
73 2-Chlorotoluene	126	9.111	9.111 (0.920)	2837950	200.000	200.05 (A)	
74 1,3,5-Trimethylbenzene	105	9.194	9.194 (0.928)	10066915	200.000	211.19 (A)	
75 4-Chlorotoluene	126	9.218	9.218 (0.931)	2975348	200.000	196.33	
76 tert-Butylbenzene	119	9.514	9.514 (0.961)	7991718	200.000	206.94 (A)	
77 1,2,4-Trimethylbenzene	105	9.561	9.561 (0.965)	10631151	200.000	208.92 (A)	
78 sec-Butylbenzene	105	9.727	9.727 (0.982)	10794030	200.000	206.50 (A)	
79 4-Isopropyltoluene	119	9.869	9.869 (0.996)	9271210	200.000	213.18 (A)	
80 1,3-Dichlorobenzene	146	9.845	9.845 (0.994)	5493140	200.000	193.66	
81 1,4-Dichlorobenzene	146	9.928	9.928 (1.002)	5803120	200.000	195.54	
82 n-Butylbenzene	91	10.271	10.271 (1.037)	8332031	200.000	214.47 (A)	
83 1,2-Dichlorobenzene	146	10.295	10.295 (1.039)	5384330	200.000	192.72	
84 1,2-Dibromo-3-chloropropane	157	11.052	11.052 (1.116)	528598	200.000	201.08 (A)	
85 1,2,4-Trichlorobenzene	180	11.892	11.892 (1.201)	2505741	200.000	210.67 (A)	
86 Hexachlorobutadiene	225	12.070	12.070 (1.219)	979903	200.000	200.36 (A)	
87 Naphthalene	128	12.129	12.129 (1.225)	6432622	200.000	229.14 (A)	
88 1,2,3-Trichlorobenzene	180	12.377	12.377 (1.250)	1787787	200.000	209.60 (A)	
98 Cyclohexane	56	4.568	4.568 (0.908)	3724145	200.000	216.58 (A)	
143 Methyl Acetate	43	2.982	2.982 (0.593)	3693009	400.000	384.10	
144 Methylcyclohexane	83	5.514	5.514 (1.096)	3054148	200.000	211.66	
141 1,3,5-Trichlorobenzene	180	11.277	11.277 (1.139)	3087088	200.000	196.62	

QC Flag Legend

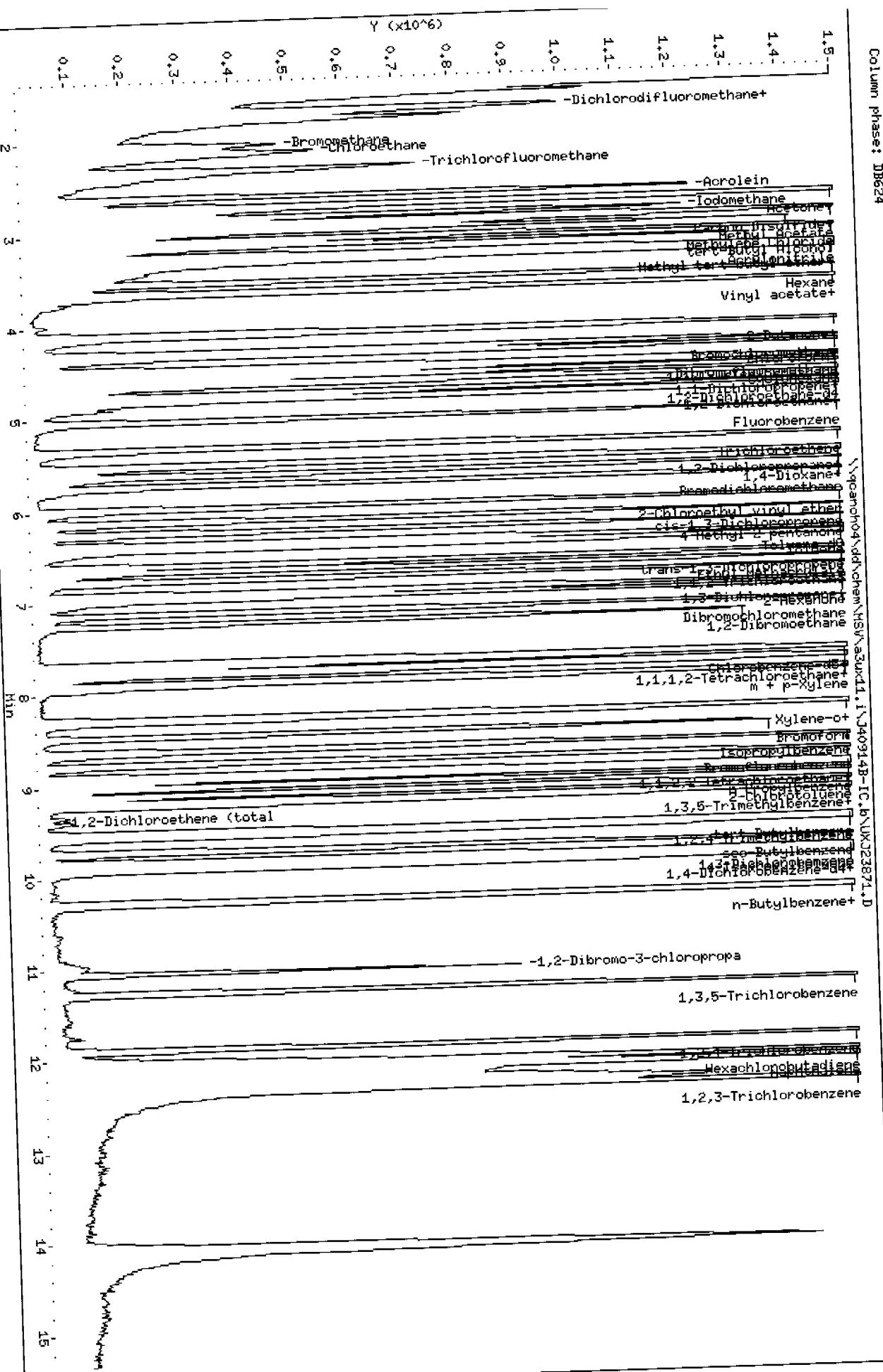
A - Target compound detected but, quantitated amount exceeded maximum amount.

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Date : 14-SEP-2004 14:10
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux11.i

Operator: 43582

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.D\UXJ23871.D
Report Date: 15-Sep-2004 12:45

STL North Canton

VOLATILE REPORT SW-846 Method
Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23871.D

Lab Smp Id: 100NG-IC
Inj Date : 14-SEP-2004 14:10 Inst ID: a3ux11.i
Operator : 43582
Smp Info : 100NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,5
Comment : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m Quant Type: ISTD
Meth Date : 15-Sep-2004 12:45 evansl Cal File: UXJ23875.D
Cal Date : 14-SEP-2004 15:41 Calibration Sample, Level: 5
Als bottle: 3
Dil Factor: 1.00000 Compound Sublist: 2-8260.SUB
Integrator: HP RTE
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/V_o

Name	Value	Description
DF	1.000	Dilution Factor
V _o	5.000	Sample volume

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ng)	ON-COL (ng)
*		96	5.029	5.029 (1.000)		2294078	50.0000	
*		117	7.680	7.680 (1.000)		1821500	50.0000	
*		152	9.904	9.904 (1.000)		999916	50.0000	
\$		113	4.473	4.473 (0.889)		1074908	100.000	100.64
\$		65	4.745	4.745 (0.944)		1555269	100.000	105.89
\$		98	6.378	6.378 (0.831)		4394161	100.000	100.42
\$		95	8.780	8.780 (1.143)		1899831	100.000	102.18
\$		85	1.527	1.527 (0.304)		1124779	100.000	93.783
8		50	1.680	1.680 (0.334)		1934079	100.000	90.319
9		62	1.763	1.763 (0.351)		1367463	100.000	93.356
10		94	2.047	2.047 (0.407)		634017	100.000	91.256
11		64	2.130	2.130 (0.424)		1013498	100.000	94.147
12		101	2.296	2.296 (0.457)		1404082	100.000	91.454
13		56	2.615	2.615 (0.520)		1447814	1000.00	1010.3
15		43	2.722	2.722 (0.541)		973885	200.000	198.82
16		96	2.710	2.710 (0.539)		950397	100.000	92.638
17		151	2.734	2.734 (0.544)		619208	100.000	93.888
18								

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL ( ng)
19 Iodomethane	142	2.828	2.828 (0.562)	1515000	100.000	99.909	
20 Carbon Disulfide	76	2.899	2.899 (0.577)	3602731	100.000	94.011	
21 Methylene Chloride	84	3.077	3.077 (0.612)	1333682	100.000	99.833	
22 Acetonitrile	41	2.935	2.935 (0.584)	1365511	1000.00	1002.9	
23 Acrylonitrile	53	3.254	3.254 (0.647)	4234501	1000.00	1000.1	
24 Methyl tert-butyl ether	73	3.302	3.302 (0.657)	3440137	100.000	104.59	
25 trans-1,2-Dichloroethene	96	3.302	3.302 (0.657)	1175346	100.000	96.574	
26 Hexane	86	3.526	3.526 (0.701)	195007	100.000	95.842	
27 Vinyl acetate	43	3.657	3.657 (0.727)	2062282	100.000	105.89	
28 1,1-Dichloroethane	63	3.633	3.633 (0.722)	2173037	100.000	97.878	
29 tert-Butyl Alcohol	59	3.148	3.148 (0.626)	1816490	2000.00	2035.8 (A)	
30 2-Butanone	43	4.083	4.083 (0.812)	1242482	200.000	197.74	
M 31 1,2-Dichloroethene (total)	96			2422890	200.000	194.13	
32 cis-1,2-dichloroethene	96	4.094	4.094 (0.814)	1247544	100.000	97.561	
33 2,2-Dichloropropane	77	4.106	4.106 (0.816)	1285494	100.000	96.081	
34 Bromochloromethane	128	4.284	4.284 (0.852)	577210	100.000	97.480	
35 Chloroform	83	4.343	4.343 (0.864)	2173231	100.000	97.374	
36 Tetrahydrofuran	42	4.331	4.331 (0.861)	344585	100.000	101.91	
37 1,1,1-Trichloroethane	97	4.509	4.509 (0.896)	1598802	100.000	94.853	
38 1,1-Dichloropropene	75	4.639	4.639 (0.922)	1510060	100.000	96.123	
39 Carbon Tetrachloride	117	4.651	4.651 (0.925)	1268602	100.000	95.854	
40 1,2-Dichloroethane	62	4.816	4.816 (0.958)	1797145	100.000	98.552	
41 Benzene	78	4.816	4.816 (0.958)	5026234	100.000	95.163	
42 Trichloroethene	130	5.337	5.337 (1.061)	1185674	100.000	98.362	
43 1,2-Dichloropropene	63	5.526	5.526 (1.099)	1270520	100.000	97.515	
44 1,4-Dioxane	88	5.621	5.621 (1.118)	597256	5000.00	5347.9 (A)	
45 Dibromomethane	93	5.621	5.621 (1.118)	727774	100.000	100.80	
46 Bromodichloromethane	83	5.751	5.751 (1.144)	1694447	100.000	98.863	
47 2-Chloroethyl vinyl ether	63	5.988	5.988 (1.191)	1586020	200.000	216.50 (A)	
48 cis-1,3-Dichloropropene	75	6.130	6.130 (1.219)	2139621	100.000	102.03	
49 4-Methyl-2-pentanone	43	6.248	6.248 (1.242)	2343412	200.000	207.82 (A)	
50 Toluene	91	6.437	6.437 (0.838)	5341010	100.000	98.181	
51 trans-1,3-Dichloropropene	75	6.603	6.603 (0.860)	2025722	100.000	103.86	
52 Ethyl Methacrylate	69	6.674	6.674 (0.869)	1801585	100.000	107.35	
53 1,1,2-Trichloroethane	97	6.769	6.769 (0.881)	1103061	100.000	99.965	
54 1,3-Dichloropropane	76	6.922	6.922 (0.901)	2083135	100.000	100.19	
55 Tetrachloroethene	164	6.934	6.934 (0.903)	827625	100.000	93.905	
56 2-Hexanone	43	6.982	6.982 (0.909)	1792800	200.000	203.53 (A)	
57 Dibromochloromethane	129	7.135	7.135 (0.929)	1188499	100.000	100.98	
58 1,2-Dibromoethane	107	7.242	7.242 (0.943)	1119552	100.000	102.98	
59 Chlorobenzene	112	7.703	7.703 (1.003)	3458216	100.000	98.180	
60 1,1,1,2-Tetrachloroethane	131	7.774	7.774 (1.012)	1239765	100.000	101.31	
61 Ethylbenzene	106	7.798	7.798 (1.015)	1782706	100.000	100.22	
62 m + p-Xylene	106	7.905	7.905 (1.029)	4519264	200.000	197.26	
M 63 xylenes (total)	106			6782922	300.000	297.91	
64 Xylene-o	106	8.283	8.283 (1.079)	2263658	100.000	100.65	
65 Styrene	104	8.295	8.295 (1.080)	4147114	100.000	103.11	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23871.D
 Report Date: 15-Sep-2004 12:45

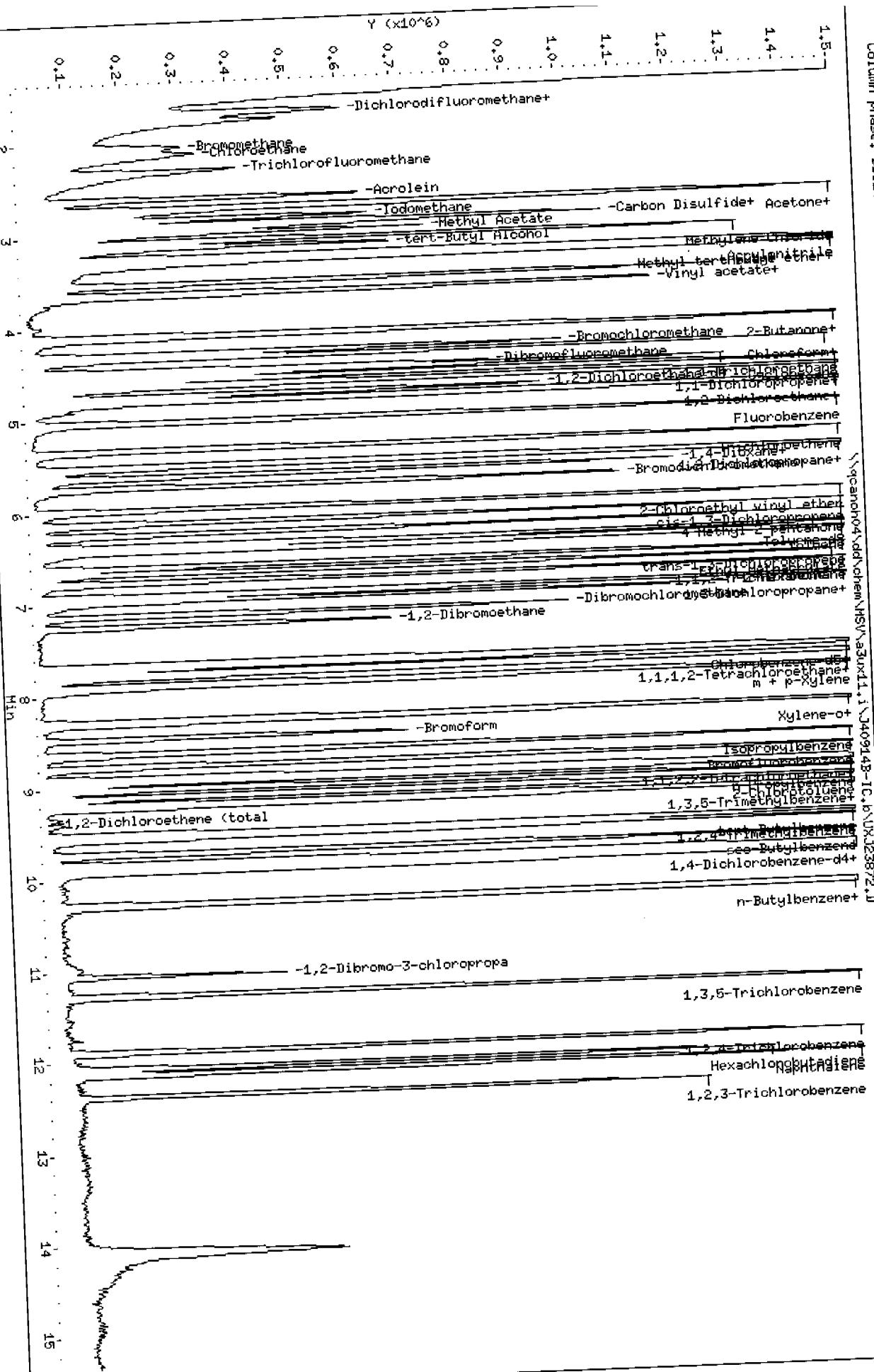
Compounds	QUANT SIG	MASS	AMOUNTS					
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
		====	==	=====	=====	=====	=====	=====
66 Bromoform		173	8.473	8.473 (1.103)		820790	100.000	102.60
67 Isopropylbenzene		105	8.626	8.626 (1.123)		4943240	100.000	98.682
68 1,1,2,2-Tetrachloroethane		83	8.899	8.899 (0.898)		1522185	100.000	100.99
69 1,4-Dichloro-2-butene		53	8.958	8.958 (0.904)		523620	100.000	105.58
70 1,2,3-Trichloropropane		110	8.946	8.946 (0.903)		495410	100.000	100.16
71 Bromobenzene		156	8.934	8.934 (0.902)		1490126	100.000	99.884
72 n-Propylbenzene		120	9.029	9.029 (0.912)		1351668	100.000	97.179
73 2-Chlorotoluene		126	9.112	9.112 (0.920)		1351055	100.000	98.084
74 1,3,5-Trimethylbenzene		105	9.194	9.194 (0.928)		4630795	100.000	100.05
75 4-Chlorotoluene		126	9.218	9.218 (0.931)		1433771	100.000	97.438
76 tert-Butylbenzene		119	9.514	9.514 (0.961)		3670015	100.000	97.876
77 1,2,4-Trimethylbenzene		105	9.561	9.561 (0.965)		5001495	100.000	101.23
78 sec-Butylbenzene		105	9.727	9.727 (0.982)		4894571	100.000	96.437
79 4-Isopropyltoluene		119	9.869	9.869 (0.996)		4211412	100.000	99.734
80 1,3-Dichlorobenzene		146	9.845	9.845 (0.994)		2672507	100.000	97.033
81 1,4-Dichlorobenzene		146	9.928	9.928 (1.002)		2817287	100.000	97.770
82 n-Butylbenzene		91	10.271	10.271 (1.037)		3687678	100.000	97.759
83 1,2-Dichlorobenzene		146	10.295	10.295 (1.039)		2647056	100.000	97.579
84 1,2-Dibromo-3-chloropropane		157	11.052	11.052 (1.116)		261375	100.000	102.40
85 1,2,4-Trichlorobenzene		180	11.892	11.892 (1.201)		1158323	100.000	100.30
86 Hexachlorobutadiene		225	12.070	12.070 (1.219)		475139	100.000	97.147
87 Naphthalene		128	12.129	12.129 (1.225)		3076588	100.000	112.87
88 1,2,3-Trichlorobenzene		180	12.377	12.377 (1.250)		883388	100.000	106.66
98 Cyclohexane		56	4.568	4.568 (0.908)		1591353	100.000	94.291
143 Methyl Acetate		43	2.994	2.994 (0.595)		1827750	200.000	193.68
144 Methylcyclohexane		83	5.514	5.514 (1.096)		1298110	100.000	91.658
141 1,3,5-Trichlorobenzene		180	11.277	11.277 (1.139)		1469129	100.000	96.368

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Instrument: a30x11.i

Operator: 43582
 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23872.D
Report Date: 15-Sep-2004 12:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23872.D
Lab Smp Id: 50NG-IC
Inj Date : 14-SEP-2004 14:33 Inst ID: a3ux11.i
Operator : 43582
Smp Info : 50NG-IC
Misc Info : J40914B-IC, 8260LLUX11, 2-8260.SUB, 43582, 1, 4
Comment : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m Quant Type: ISTD
Meth Date : 15-Sep-2004 12:46 evans1 Cal File: UXJ23875.D
Cal Date : 14-SEP-2004 15:41 Calibration Sample, Level: 4
Als bottle: 4
Dil Factor: 1.00000 Compound Sublist: 2-8260.SUB
Integrator: HP RTE
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/V_o

Name	Value	Description
DF	1.000	Dilution Factor
V _o	5.000	Sample volume

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	(ng) ON-COL (ng)
*	96	5.029	5.029 (1.000)	2329625	50.0000		
1 Fluorobenzene	117	7.668	7.668 (1.000)	1858993	50.0000		
2 Chlorobenzene-d5	152	9.904	9.904 (1.000)	990958	50.0000		
3 1,4-Dichlorobenzene-d4	113	4.473	4.473 (0.889)	558177	50.0000	51.462	
4 Dibromofluoromethane	65	4.745	4.745 (0.944)	733545	50.0000	49.183	
5 1,2-Dichloroethane-d4	98	6.378	6.378 (0.832)	2256469	50.0000	50.525	
6 Toluene-d8	95	8.780	8.780 (1.145)	943942	50.0000	49.744	
7 Bromofluorobenzene	85	1.527	1.527 (0.304)	586151	50.0000	48.127	
8 Dichlorodifluoromethane	50	1.680	1.680 (0.334)	1022123	50.0000	47.004	
9 Chloromethane	62	1.763	1.763 (0.351)	726372	50.0000	48.832	
10 Vinyl Chloride	94	2.047	2.047 (0.407)	352300	50.0000	49.934	
11 Bromomethane	64	2.130	2.130 (0.424)	545580	50.0000	49.907	
12 Chloroethane	101	2.296	2.296 (0.457)	757893	50.0000	48.612	
13 Trichlorofluoromethane	56	2.615	2.615 (0.520)	720539	500.000	495.15	
15 Acrolein	43	2.722	2.722 (0.541)	530389	100.000	102.36	
16 Acetone	96	2.710	2.710 (0.539)	541982	50.0000	52.022	
17 1,1-Dichloroethene	151	2.722	2.722 (0.541)	390502	50.0000	59.593	
18 Freon-113							

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.D\UAN4201444
 Report Date: 15-Sep-2004 12:46

Compounds	QUANT SIG	MASS	AMOUNTS					
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ng)	(ng)
			====	==	=====	=====	=====	=====
		142	2.828	2.828 (0.562)		777257	50.0000	50.475
19 Iodomethane		76	2.899	2.899 (0.577)		1989456	50.0000	51.121
20 Carbon Disulfide		84	3.077	3.077 (0.612)		741159	50.0000	50.431
21 Methylene Chloride		41	2.935	2.935 (0.584)		667504	500.000	482.78
22 Acetonitrile		53	3.254	3.254 (0.647)		2117146	500.000	492.41
23 Acrylonitrile		73	3.302	3.302 (0.657)		1733984	50.0000	51.915
24 Methyl tert-butyl ether		96	3.302	3.302 (0.657)		623149	50.0000	50.421
25 trans-1,2-Dichloroethene		86	3.526	3.526 (0.701)		115096	50.0000	57.272
26 Hexane		43	3.657	3.657 (0.727)		979072	50.0000	49.506
27 Vinyl acetate		63	3.633	3.633 (0.722)		1126418	50.0000	49.962
28 1,1-Dichloroethane		59	3.148	3.148 (0.626)		896352	1000.00	989.22
29 tert-Butyl Alcohol		43	4.083	4.083 (0.812)		623229	100.000	97.672
30 2-Butanone		96				1262694	100.000	99.671
M 31 1,2-Dichloroethene (total)		96	4.094	4.094 (0.814)		639545	50.0000	49.251
32 cis-1,2-dichloroethene		77	4.106	4.106 (0.816)		684525	50.0000	50.382
33 2,2-Dichloropropane		128	4.284	4.284 (0.852)		299703	50.0000	49.842
34 Bromochloromethane		83	4.343	4.343 (0.864)		1133371	50.0000	50.007
35 Chloroform		42	4.331	4.331 (0.861)		170087	50.0000	48.338
36 Tetrahydrofuran		97	4.508	4.508 (0.896)		892252	50.0000	52.127
37 1,1,1-Trichloroethane		75	4.639	4.639 (0.922)		833818	50.0000	52.267
38 1,1-Dichloropropene		117	4.650	4.650 (0.925)		724043	50.0000	53.873
39 Carbon Tetrachloride		62	4.816	4.816 (0.958)		914079	50.0000	49.362
40 1,2-Dichloroethane		78	4.816	4.816 (0.958)		2642144	50.0000	49.261
41 Benzene		130	5.337	5.337 (1.061)		622755	50.0000	50.875
42 Trichloroethene		63	5.526	5.526 (1.099)		654580	50.0000	49.474
43 1,2-Dichloropropane		88	5.621	5.621 (1.118)		304150	2500.00	2681.8 (A)
44 1,4-Dioxane		93	5.621	5.621 (1.118)		368591	50.0000	50.275
45 Dibromomethane		83	5.751	5.751 (1.144)		862931	50.0000	49.580
46 Bromodichloromethane		63	5.988	5.988 (1.191)		777773	100.000	104.55
47 2-Chloroethyl vinyl ether		75	6.130	6.130 (1.219)		1059681	50.0000	49.761
48 cis-1,3-Dichloropropene		43	6.248	6.248 (1.242)		1174753	100.000	102.59
49 4-Methyl-2-pentanone		91	6.437	6.437 (0.840)		2773477	50.0000	49.955
50 Toluene		75	6.603	6.603 (0.861)		1008249	50.0000	50.651
51 trans-1,3-Dichloropropene		69	6.674	6.674 (0.870)		893443	50.0000	52.165
52 Ethyl Methacrylate		97	6.769	6.769 (0.883)		564234	50.0000	50.102
53 1,1,2-Trichloroethane		76	6.922	6.922 (0.903)		1040578	50.0000	49.040
54 1,3-Dichloropropane		164	6.934	6.934 (0.904)		455621	50.0000	50.654
55 Tetrachloroethene		43	6.982	6.982 (0.911)		925357	100.000	102.93
56 2-Hexanone		129	7.135	7.135 (0.931)		593974	50.0000	49.450
57 Dibromochloromethane		107	7.242	7.242 (0.944)		561972	50.0000	50.647
58 1,2-Dibromoethane		112	7.703	7.703 (1.005)		1760577	50.0000	48.975
59 Chlorobenzene		131	7.774	7.774 (1.014)		612067	50.0000	49.009
60 1,1,1,2-Tetrachloroethane		106	7.798	7.798 (1.017)		909162	50.0000	50.081
61 Ethylbenzene		106	7.905	7.905 (1.031)		2376751	100.000	101.65
62 m + p-Xylene		106				3528868	150.000	151.84
M 63 Xylenes (total)		106	8.283	8.283 (1.080)		1152117	50.0000	50.192
64 Xylene-o		106	8.295	8.295 (1.082)		2072070	50.0000	50.479
65 Styrene		104						

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ng)	ON-COL (ng)
66 Bromoform	====	173	8.473	8.473 (1.105)		406002	50.0000	49.727
67 Isopropylbenzene	====	105	8.626	8.626 (1.125)		2624726	50.0000	51.341
68 1,1,2,2-Tetrachloroethane	====	83	8.899	8.899 (0.898)		750188	50.0000	50.220
69 1,4-Dichloro-2-butene	====	53	8.958	8.958 (0.904)		2494440	50.0000	50.752
70 1,2,3-Trichloropropane	====	110	8.946	8.946 (0.903)		246053	50.0000	50.196
71 Bromobenzene	====	156	8.934	8.934 (0.902)		745059	50.0000	50.393
72 n-Propylbenzene	====	120	9.029	9.029 (0.912)		716364	50.0000	51.969
73 2-Chlorotoluene	====	126	9.111	9.111 (0.920)		694404	50.0000	50.868
74 1,3,5-Trimethylbenzene	====	105	9.194	9.194 (0.928)		2372465	50.0000	51.722
75 4-Chlorotoluene	====	126	9.218	9.218 (0.931)		738082	50.0000	50.613
76 tert-Butylbenzene	====	119	9.514	9.514 (0.961)		1923678	50.0000	51.766
77 1,2,4-Trimethylbenzene	====	105	9.561	9.561 (0.965)		2551790	50.0000	52.114
78 sec-Butylbenzene	====	105	9.727	9.727 (0.982)		2633655	50.0000	52.360
79 4-Isopropyltoluene	====	119	9.869	9.869 (0.996)		2250860	50.0000	53.786
80 1,3-Dichlorobenzene	====	146	9.845	9.845 (0.994)		1354905	50.0000	49.638
81 1,4-Dichlorobenzene	====	146	9.928	9.928 (1.002)		1437001	50.0000	50.320
82 n-Butylbenzene	====	91	10.271	10.271 (1.037)		2001622	50.0000	53.542
83 1,2-Dichlorobenzene	====	146	10.295	10.295 (1.039)		1339377	50.0000	49.820
84 1,2-Dibromo-3-chloropropane	====	157	11.052	11.052 (1.116)		127154	50.0000	50.267
85 1,2,4-Trichlorobenzene	====	180	11.892	11.892 (1.201)		576092	50.0000	50.333
86 Hexachlorobutadiene	====	225	12.070	12.070 (1.219)		272701	50.0000	54.568
87 Naphthalene	====	128	12.129	12.129 (1.225)		1382075	50.0000	51.162
88 1,2,3-Trichlorobenzene	====	180	12.377	12.377 (1.250)		415515	50.0000	50.625
98 Cyclohexane	====	56	4.568	4.568 (0.908)		952028	50.0000	55.549
143 Methyl Acetate	====	43	2.994	2.994 (0.595)		911479	100.000	95.114
144 Methylcyclohexane	====	83	5.514	5.514 (1.096)		793891	50.0000	55.200
141 1,3,5-Trichlorobenzene	====	180	11.277	11.277 (1.139)		752113	50.0000	49.781

QC Flag Legend

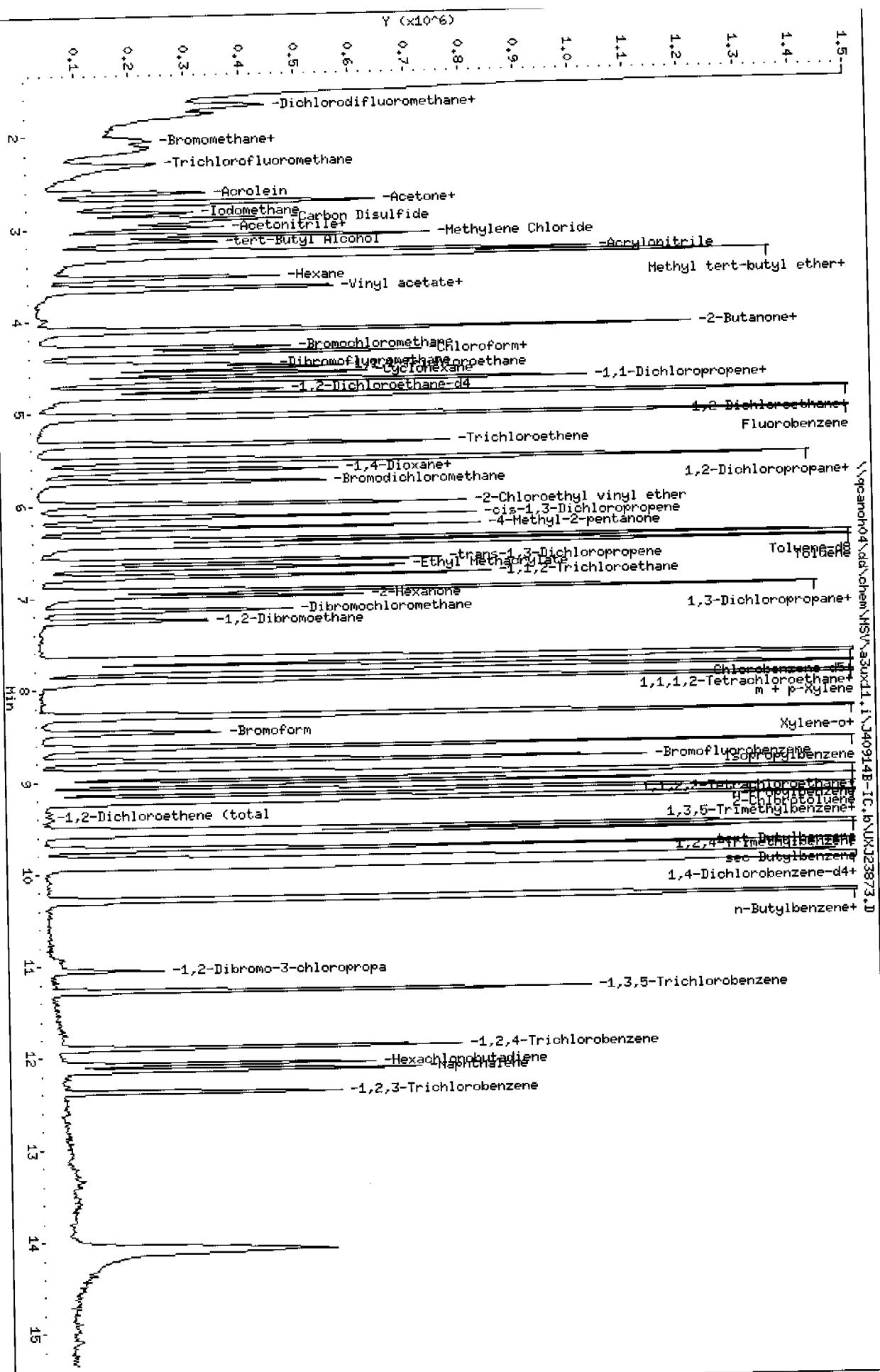
A - Target compound detected but, quantitated amount exceeded maximum amount.

Client ID:
 Sample Info: 25NG-IC
 Purge Volume: 5.0

Column Phase: DB624

Instrument: a30x11.i

Operator: 43582
 Column diameter: 0.18



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23873.D
Lab Smp Id: 25NG-IC
Inj Date : 14-SEP-2004 14:57
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 12:46 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
*	1 Fluorobenzene	96	5.029	5.029 (1.000)	2302064	50.0000		
*	2 Chlorobenzene-d5	117	7.668	7.668 (1.000)	1820780	50.0000		
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	1002006	50.0000		
\$	4 Dibromofluoromethane	113	4.473	4.473 (0.889)	263579	25.0000	24.592	
\$	5 1,2-Dichloroethane-d4	65	4.745	4.745 (0.944)	360514	25.0000	24.461	
\$	6 Toluene-d8	98	6.378	6.378 (0.832)	1137706	25.0000	26.009	
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.145)	468289	25.0000	25.196	
8	Dichlorodifluoromethane	85	1.526	1.526 (0.304)	324283	25.0000	26.945	
9	Chloromethane	50	1.680	1.680 (0.334)	523520	25.0000	24.363	
10	Vinyl Chloride	62	1.775	1.775 (0.353)	382674	25.0000	26.034	
11	Bromomethane	94	2.047	2.047 (0.407)	163334	25.0000	23.428	
12	Chloroethane	64	2.130	2.130 (0.424)	280413	25.0000	25.958	
13	Trichlorofluoromethane	101	2.296	2.296 (0.457)	399606	25.0000	25.938	
15	Acrolein	56	2.615	2.615 (0.520)	360127	250.000	250.44	
16	Acetone	43	2.722	2.722 (0.541)	262942	50.0000	48.200	
17	1,1-Dichloroethene	96	2.710	2.710 (0.539)	229496	25.0000	22.292	
18	Freon-113	151	2.722	2.722 (0.541)	126246	25.0000	19.380	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXU45813.D
 Report Date: 15-Sep-2004 12:47

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ng)	(ng)
Iodomethane		142	2.828	2.828 (0.562)		375596	25.0000	24.683
20 Carbon Disulfide		76	2.899	2.899 (0.577)		854870	25.0000	22.230
21 Methylene Chloride		84	3.077	3.077 (0.612)		413458	25.0000	24.263
22 Acetonitrile		41	2.946	2.946 (0.586)		352454	250.000	257.97
23 Acrylonitrile		53	3.254	3.254 (0.647)		1072529	250.000	252.44
24 Methyl tert-butyl ether		73	3.301	3.301 (0.657)		855584	25.0000	25.923
25 trans-1,2-Dichloroethene		96	3.313	3.313 (0.659)		291530	25.0000	23.871
26 Hexane		86	3.526	3.526 (0.701)		38256	25.0000	19.484
27 Vinyl acetate		43	3.656	3.656 (0.727)		490495	25.0000	25.099
28 1,1-Dichloroethane		63	3.633	3.633 (0.722)		530330	25.0000	23.804
29 tert-Butyl Alcohol		59	3.148	3.148 (0.626)		445116	500.000	497.11
30 2-Butanone		43	4.082	4.082 (0.812)		314848	50.0000	49.934
M 31 1,2-Dichloroethene (total)		96				603009	50.0000	48.145
32 cis-1,2-dichloroethene		96	4.094	4.094 (0.814)		311479	25.0000	24.274
33 2,2-Dichloroproppane		77	4.106	4.106 (0.816)		318520	25.0000	23.724
34 Bromochloromethane		128	4.284	4.284 (0.852)		145392	25.0000	24.469
35 Chloroform		83	4.343	4.343 (0.864)		541044	25.0000	24.158
36 Tetrahydrofuran		42	4.331	4.331 (0.861)		78777	25.0000	22.465
37 1,1,1-Trichloroethane		97	4.508	4.508 (0.896)		386062	25.0000	22.825
38 1,1-Dichloropropene		75	4.639	4.639 (0.922)		352859	25.0000	22.383
39 Carbon Tetrachloride		117	4.650	4.650 (0.925)		282428	25.0000	21.266
40 1,2-Dichloroethane		62	4.816	4.816 (0.958)		443026	25.0000	24.210
41 Benzene		78	4.816	4.816 (0.958)		1294581	25.0000	24.426
42 Trichloroethene		130	5.337	5.337 (1.061)		289238	25.0000	23.912
43 1,2-Dichloropropane		63	5.526	5.526 (1.099)		313009	25.0000	23.941
44 1,4-Dioxane		88	5.621	5.621 (1.118)		148470	1250.00	1324.8 (A)
45 Dibromomethane		93	5.621	5.621 (1.118)		175336	25.0000	24.202
46 Bromodichloromethane		83	5.751	5.751 (1.144)		415519	25.0000	24.160
47 2-Chloroethyl vinyl ether		63	5.987	5.987 (1.191)		367975	50.0000	50.055
48 cis-1,3-Dichloropropene		75	6.129	6.129 (1.219)		502234	25.0000	23.866
49 4-Methyl-2-pentanone		43	6.248	6.248 (1.242)		557786	50.0000	49.294
50 Toluene		91	6.437	6.437 (0.840)		1338715	25.0000	24.618
51 trans-1,3-Dichloropropene		75	6.603	6.603 (0.861)		468202	25.0000	24.015
52 Ethyl Methacrylate		69	6.674	6.674 (0.870)		409677	25.0000	24.422
53 1,1,2-Trichloroethane		97	6.768	6.768 (0.883)		270822	25.0000	24.553
54 1,3-Dichloropropane		76	6.922	6.922 (0.903)		513387	25.0000	24.702
55 Tetrachloroethene		164	6.934	6.934 (0.904)		201576	25.0000	22.880
56 2-Hexanone		43	6.981	6.981 (0.911)		441195	50.0000	50.107
57 Dibromochloromethane		129	7.135	7.135 (0.931)		291299	25.0000	24.760
58 1,2-Dibromoethane		107	7.254	7.254 (0.946)		264386	25.0000	24.328
59 Chlorobenzene		112	7.703	7.703 (1.005)		859376	25.0000	24.408
60 1,1,1,2-Tetrachloroethane		131	7.774	7.774 (1.014)		297129	25.0000	24.291
61 Ethylbenzene		106	7.798	7.798 (1.017)		427629	25.0000	24.050
62 m + p-Xylene		106	7.904	7.904 (1.031)		1125922	50.0000	49.164
M 63 Xylenes (total)		106	8.283	8.283 (1.080)		1692886	75.0000	74.383
64 Xylene-o		106	8.295	8.295 (1.082)		566964	25.0000	25.218
65 Styrene		104				985947	25.0000	24.523

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
66 Bromoform	====	173	8.472	8.472 (1.105)		195832	25.0000	24.489
67 Isopropylbenzene		105	8.626	8.626 (1.125)		1187991	25.0000	23.725
68 1,1,2,2-Tetrachloroethane		83	8.898	8.898 (0.898)		370501	25.0000	24.529
69 1,4-Dichloro-2-butene		53	8.958	8.958 (0.904)		119797	25.0000	24.105
70 1,2,3-Trichloropropane		110	8.946	8.946 (0.903)		121026	25.0000	24.417
71 Bromobenzene		156	8.922	8.922 (0.901)		361498	25.0000	24.181
72 n-Propylbenzene		120	9.029	9.029 (0.912)		315155	25.0000	22.611
73 2-Chlorotoluene		126	9.111	9.111 (0.920)		330096	25.0000	23.914
74 1,3,5-Trimethylbenzene		105	9.194	9.194 (0.928)		1104880	25.0000	23.822
75 4-Chlorotoluene		126	9.218	9.218 (0.931)		353698	25.0000	23.987
76 tert-Butylbenzene		119	9.514	9.514 (0.961)		852078	25.0000	22.677
77 1,2,4-Trimethylbenzene		105	9.561	9.561 (0.965)		1171362	25.0000	23.658
78 sec-Butylbenzene		105	9.727	9.727 (0.982)		1145024	25.0000	22.513
79 4-Isopropyltoluene		119	9.869	9.869 (0.996)		954488	25.0000	22.557
80 1,3-Dichlorobenzene		146	9.845	9.845 (0.994)		654290	25.0000	23.706
81 1,4-Dichlorobenzene		146	9.928	9.928 (1.002)		690846	25.0000	23.925
82 n-Butylbenzene		91	10.271	10.271 (1.037)		825372	25.0000	21.835
83 1,2-Dichlorobenzene		146	10.295	10.295 (1.039)		651646	25.0000	23.972
84 1,2-Dibromo-3-chloropropane		157	11.052	11.052 (1.116)		63184	25.0000	24.703
85 1,2,4-Trichlorobenzene		180	11.892	11.892 (1.201)		261752	25.0000	22.617
86 Hexachlorobutadiene		225	12.070	12.070 (1.219)		126348	25.0000	23.115
87 Naphthalene		128	12.129	12.129 (1.225)		610547	25.0000	22.352
88 1,2,3-Trichlorobenzene		180	12.377	12.377 (1.250)		182675	25.0000	22.011
98 Cyclohexane		56	4.568	4.568 (0.908)		334819	25.0000	19.770
143 Methyl Acetate		43	2.994	2.994 (0.595)		462866	50.0000	48.879
144 Methylcyclohexane		83	5.514	5.514 (1.096)		275331	25.0000	19.373
141 1,3,5-Trichlorobenzene		180	11.277	11.277 (1.139)		338982	25.0000	22.189

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\pcaroh04\dd\chem\MSV\aa30x11.i\J40914B-IC.b\UXJ323874.D
 Date : 14-SEP-2004 15:19
 Client ID:
 Sample Info: 10MG-IC
 Purge Volume: 5.0
 Column phase: DB624

Sample ID:

Purge Volume:

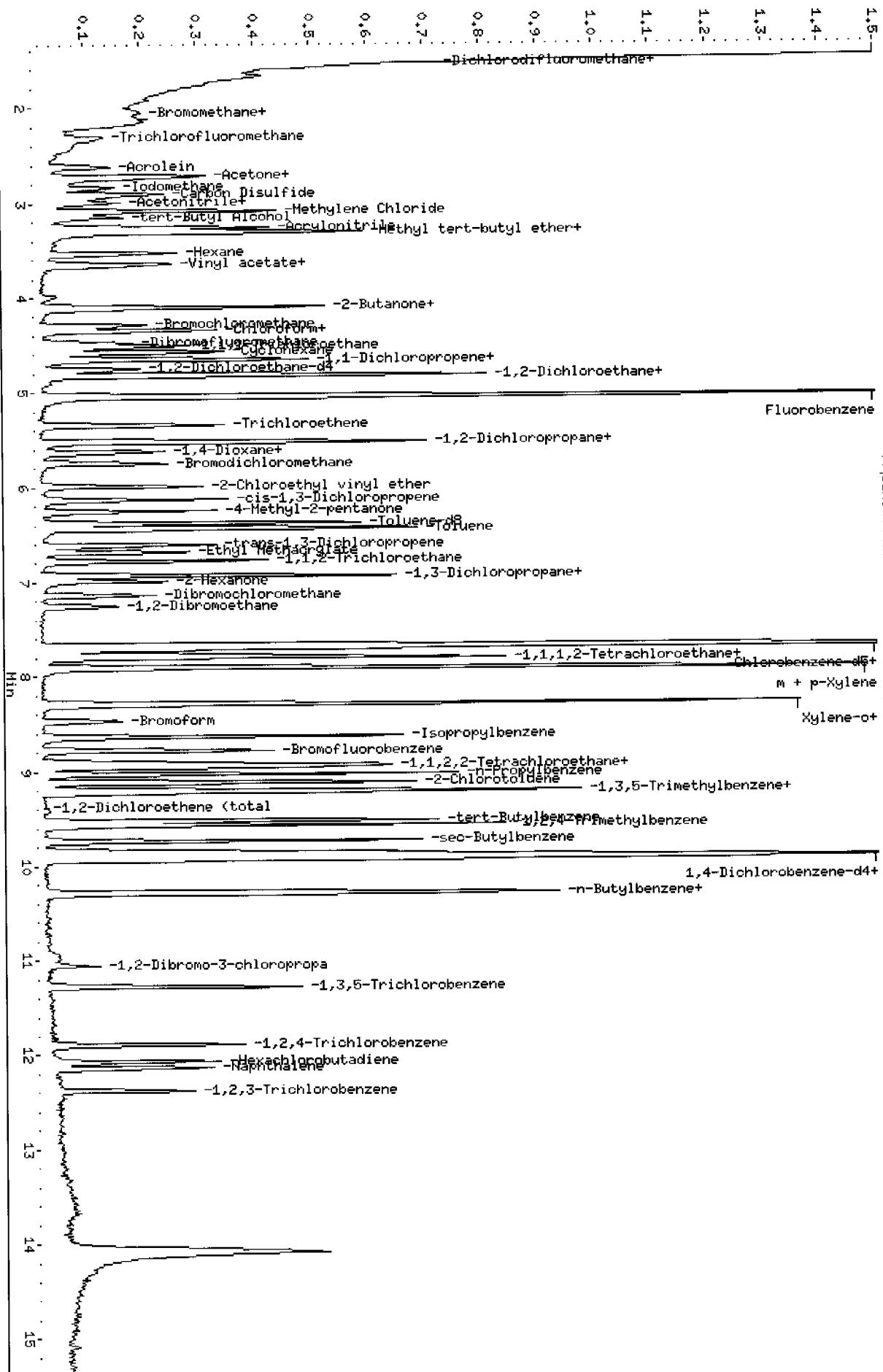
Column phase:

Instrument: aa30x11.i

Operator: 43592

Column diameter: 0.18

Y ($\times 10^6$)
 Min
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 1.4
 1.3
 1.2
 1.1
 1.0
 0.9
 0.8
 0.7
 0.6
 0.5
 0.4
 0.3
 0.2
 0.1



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23874.D
Lab Smp Id: 10NG-IC
Inj Date : 14-SEP-2004 15:19
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 12:47 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
*	1 Fluorobenzene	96	5.029	5.029 (1.000)	2293402	50.0000		
*	2 Chlorobenzene-d5	117	7.680	7.680 (1.000)	1817387	50.0000		
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	990181	50.0000		
\$	4 Dibromofluoromethane	113	4.473	4.473 (0.889)	106274	10.0000	9.953	
\$	5 1,2-Dichloroethane-d4	65	4.745	4.745 (0.944)	141757	10.0000	9.655	
\$	6 Toluene-d8	98	6.378	6.378 (0.831)	427652	10.0000	9.795	
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.143)	185658	10.0000	10.008	
8	Dichlorodifluoromethane	85	1.526	1.526 (0.304)	108953	10.0000	9.087	
9	Chloromethane	50	1.680	1.680 (0.334)	228871	10.0000	10.691	
10	Vinyl Chloride	62	1.763	1.763 (0.351)	146078	10.0000	9.976	
11	Bromomethane	94	2.047	2.047 (0.407)	75436	10.0000	10.861	
12	Chloroethane	64	2.118	2.118 (0.421)	113260	10.0000	10.524	
13	Trichlorofluoromethane	101	2.307	2.307 (0.459)	142867	10.0000	9.308	
15	Acrolein	56	2.615	2.615 (0.520)	140593	100.000	98.140	
16	Acetone	43	2.722	2.722 (0.541)	128042	20.0000	20.736	
17	1,1-Dichloroethene	96	2.710	2.710 (0.539)	105536	10.0000	10.290	
18	Freon-113	151	2.745	2.745 (0.546)	76261	10.0000	11.396	

Compounds	QUANT SIG							AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
19 Iodomethane	====	142	2.840	2.840 (0.565)	159856	10.0000	10.545		
20 Carbon Disulfide	==	76	2.899	2.899 (0.577)	400515	10.0000	10.454		
21 Methylene Chloride	=====	84	3.077	3.077 (0.612)	251128	10.0000	10.978		
22 Acetonitrile	=====	41	2.946	2.946 (0.586)	138464	100.000	101.73		
23 Acrylonitrile	=====	53	3.254	3.254 (0.647)	439101	100.000	103.74		
24 Methyl tert-butyl ether	=====	73	3.301	3.301 (0.657)	308600	10.0000	9.385		
25 trans-1,2-Dichloroethene	=====	96	3.313	3.313 (0.659)	126088	10.0000	10.363		
26 Hexane	=====	86	3.538	3.538 (0.704)	22298	10.0000	11.260		
27 Vinyl acetate	=====	43	3.656	3.656 (0.727)	175571	10.0000	9.018		
28 1,1-Dichloroethane	=====	63	3.633	3.633 (0.722)	226350	10.0000	10.198		
29 tert-Butyl Alcohol	=====	59	3.148	3.148 (0.626)	185158	200.000	207.57		
30 2-Butanone	=====	43	4.082	4.082 (0.812)	117242	20.0000	18.664		
M 31 1,2-Dichloroethene (total)	=====	96			261363	20.0000	20.945		
32 cis-1,2-dichloroethene	=====	96	4.094	4.094 (0.814)	135275	10.0000	10.582		
33 2,2-Dichloropropane	=====	77	4.106	4.106 (0.816)	141153	10.0000	10.553		
34 Bromochloromethane	=====	128	4.283	4.283 (0.852)	65133	10.0000	11.003		
35 Chloroform	=====	83	4.343	4.343 (0.864)	231979	10.0000	10.397		
36 Tetrahydrofuran	=====	42	4.331	4.331 (0.861)	38288	10.0000	11.006		
37 1,1,1-Trichloroethane	=====	97	4.508	4.508 (0.896)	171781	10.0000	10.194		
38 1,1-Dichloropropene	=====	75	4.650	4.650 (0.925)	163880	10.0000	10.435		
39 Carbon Tetrachloride	=====	117	4.650	4.650 (0.925)	134205	10.0000	10.143		
40 1,2-Dichloroethane	=====	62	4.816	4.816 (0.958)	194488	10.0000	10.668		
41 Benzene	=====	78	4.816	4.816 (0.958)	545878	10.0000	10.338		
42 Trichloroethene	=====	130	5.337	5.337 (1.061)	121044	10.0000	10.045		
43 1,2-Dichloropropane	=====	63	5.526	5.526 (1.099)	138162	10.0000	10.607		
44 1,4-Dioxane	=====	88	5.621	5.621 (1.118)	53454	500.000	478.78 (A)		
45 Dibromomethane	=====	93	5.621	5.621 (1.118)	76444	10.0000	10.591		
46 Bromodichloromethane	=====	83	5.751	5.751 (1.144)	176533	10.0000	10.303		
47 2-Chloroethyl vinyl ether	=====	63	5.987	5.987 (1.191)	135749	20.0000	18.535		
48 cis-1,3-Dichloropropene	=====	75	6.129	6.129 (1.219)	218946	10.0000	10.444		
49 4-Methyl-2-pentanone	=====	43	6.248	6.248 (1.242)	216822	20.0000	19.234		
50 Toluene	=====	91	6.437	6.437 (0.838)	563016	10.0000	10.373		
51 trans-1,3-Dichloropropene	=====	75	6.603	6.603 (0.860)	193073	10.0000	9.921		
52 Ethyl Methacrylate	=====	69	6.674	6.674 (0.869)	163654	10.0000	9.774		
53 1,1,2-Trichloroethane	=====	97	6.768	6.768 (0.881)	114065	10.0000	10.360		
54 1,3-Dichloropropane	=====	76	6.922	6.922 (0.901)	215113	10.0000	10.830		
55 Tetrachloroethene	=====	164	6.934	6.934 (0.903)	95253	10.0000	10.832		
56 2-Hexanone	=====	43	6.981	6.981 (0.909)	173068	20.0000	19.692		
57 Dibromochloromethane	=====	129	7.135	7.135 (0.929)	121301	10.0000	10.330		
58 1,2-Dibromoethane	=====	107	7.254	7.254 (0.945)	114994	10.0000	10.601		
59 Chlorobenzene	=====	112	7.703	7.703 (1.003)	377942	10.0000	10.754		
60 1,1,1,2-Tetrachloroethane	=====	131	7.774	7.774 (1.012)	125087	10.0000	10.245		
61 Ethylbenzene	=====	106	7.798	7.798 (1.015)	184529	10.0000	10.397		
62 m + p-Xylene	=====	106	7.904	7.904 (1.029)	470158	20.0000	20.568		
M 63 Xylenes (total)	=====	106			701783	30.0000	30.890		
64 Xylene-o	=====	106	8.283	8.283 (1.079)	231625	10.0000	10.322		
65 Styrene	=====	104	8.295	8.295 (1.080)	406292	10.0000	10.124		

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
66 Bromoform	====	173	8.472	8.472 (1.103)		81750	10.0000	10.242
67 Isopropylbenzene	====	105	8.626	8.626 (1.123)		495185	10.0000	9.908
68 1,1,2,2-Tetrachloroethane	====	83	8.898	8.898 (0.898)		154970	10.0000	10.382
69 1,4-Dichloro-2-butene	====	53	8.957	8.957 (0.904)		47422	10.0000	9.656
70 1,2,3-Trichloropropane	====	110	8.946	8.946 (0.903)		49915	10.0000	10.191
71 Bromobenzene	====	156	8.934	8.934 (0.902)		154286	10.0000	10.444
72 n-Propylbenzene	====	120	9.028	9.028 (0.912)		140117	10.0000	10.173
73 2-Chlorotoluene	====	126	9.111	9.111 (0.920)		137109	10.0000	10.052
74 1,3,5-Trimethylbenzene	====	105	9.194	9.194 (0.928)		449094	10.0000	9.798
75 4-Chlorotoluene	====	126	9.218	9.218 (0.931)		150151	10.0000	10.304
76 tert-Butylbenzene	====	119	9.514	9.514 (0.961)		384632	10.0000	10.359
77 1,2,4-Trimethylbenzene	====	105	9.561	9.561 (0.965)		494544	10.0000	10.108
78 sec-Butylbenzene	====	105	9.727	9.727 (0.982)		506228	10.0000	10.072
79 4-Isopropyltoluene	====	119	9.869	9.869 (0.996)		417405	10.0000	9.982
80 1,3-Dichlorobenzene	====	146	9.845	9.845 (0.994)		280475	10.0000	10.284
81 1,4-Dichlorobenzene	====	146	9.928	9.928 (1.002)		298356	10.0000	10.456
82 n-Butylbenzene	====	91	10.271	10.271 (1.037)		380534	10.0000	10.187
83 1,2-Dichlorobenzene	====	146	10.295	10.295 (1.039)		278506	10.0000	10.368
84 1,2-Dibromo-3-chloropropane	====	157	11.064	11.064 (1.117)		24938	10.0000	9.866
85 1,2,4-Trichlorobenzene	====	180	11.892	11.892 (1.201)		120755	10.0000	10.559
86 Hexachlorobutadiene	====	225	12.070	12.070 (1.219)		62649	10.0000	9.935
87 Naphthalene	====	128	12.129	12.129 (1.225)		251285	10.0000	9.310
88 1,2,3-Trichlorobenzene	====	180	12.377	12.377 (1.250)		87516	10.0000	10.671
98 Cyclohexane	====	56	4.567	4.567 (0.908)		177719	10.0000	10.533
143 Methyl Acetate	====	43	2.994	2.994 (0.595)		199578	20.0000	21.155
144 Methylcyclohexane	====	83	5.514	5.514 (1.096)		144963	10.0000	10.239
141 1,3,5-Trichlorobenzene	====	180	11.277	11.277 (1.139)		157787	10.0000	10.452

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-1C.b\\UXJ23875.D
Date : 14-SEP-2004 15:44

Client ID:

Sample Info: SNC-IC

Purge Volume: 5.0

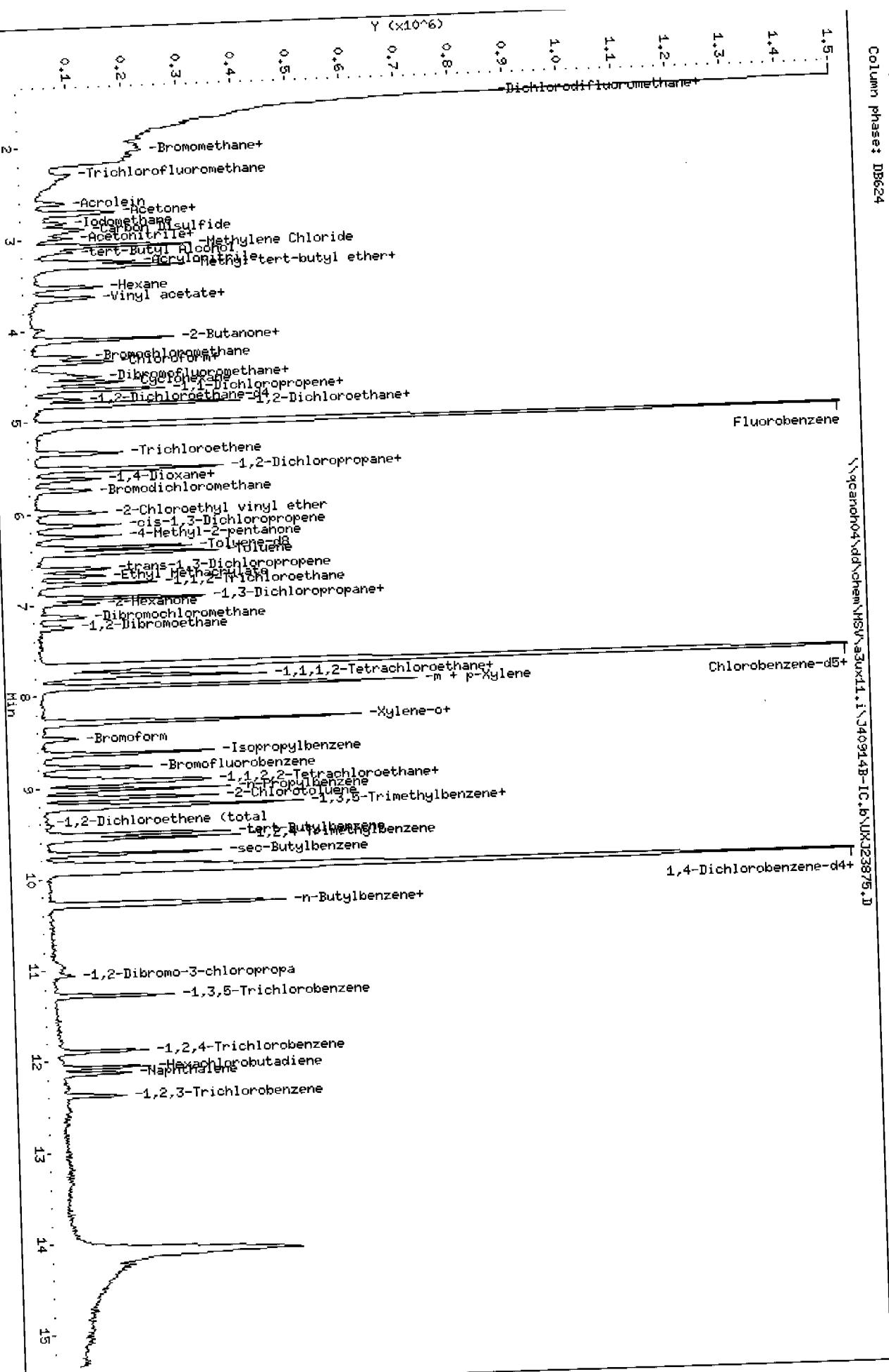
Column Phase: DB624

Instrument: a3ux11.i

Operator: 43582

Column diameter: 0.18

\\qcanh04\\dd\\chem\\MSV\\a3ux11.i\\J40914B-1C.b\\UXJ23875.D



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
Lab Smp Id: 5NG-IC
Inj Date : 14-SEP-2004 15:41
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,1
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 12:47 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng) ON-COL (ng)
*	1 Fluorobenzene	96	5.029	5.029 (1.000)	2251983	50.0000	
*	2 Chlorobenzene-d5	117	7.680	7.680 (1.000)	1826599	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	937868	50.0000	
\$	4 Dibromofluoromethane	113	4.473	4.473 (0.889)	51569	5.00000	4.918
\$	5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.946)	70414	5.00000	4.884
\$	6 Toluene-d8	98	6.378	6.378 (0.831)	210171	5.00000	4.789
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.143)	88368	5.00000	4.739
8	Dichlorodifluoromethane	85	1.526	1.526 (0.304)	64938	5.00000	5.516
9	Chloromethane	50	1.668	1.668 (0.332)	125378	5.00000	5.964
10	Vinyl Chloride	62	1.763	1.763 (0.351)	72850	5.00000	5.066
11	Bromomethane	94	2.035	2.035 (0.405)	38866	5.00000	5.699
12	Chloroethane	64	2.118	2.118 (0.421)	52345	5.00000	4.953
13	Trichlorofluoromethane	101	2.307	2.307 (0.459)	86493	5.00000	5.739
15	Acrolein	56	2.615	2.615 (0.520)	72041	50.0000	51.213
16	Acetone	43	2.722	2.722 (0.541)	72580	10.0000	9.714
17	1,1-Dichloroethene	96	2.710	2.710 (0.539)	55428	5.00000	5.504
18	Freon-113	151	2.745	2.745 (0.546)	37991	5.00000	5.276

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
 Report Date: 15-Sep-2004 12:48

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
19 Iodomethane		142	2.828	2.828 (0.562)		70148	5.00000	4.712
20 Carbon Disulfide		76	2.899	2.899 (0.577)		205480	5.00000	5.462
21 Methylene Chloride		84	3.077	3.077 (0.612)		169409	5.00000	4.472
22 Acetonitrile		41	2.946	2.946 (0.586)		74099	50.0000	55.440
23 Acrylonitrile		53	3.254	3.254 (0.647)		205768	50.0000	49.508
24 Methyl tert-butyl ether		73	3.301	3.301 (0.657)		147953	5.00000	4.582
25 trans-1,2-Dichloroethene		96	3.313	3.313 (0.659)		63645	5.00000	5.327
26 Hexane		86	3.526	3.526 (0.701)		11663	5.00000	5.789
27 Vinyl acetate		43	3.656	3.656 (0.727)		93501	5.00000	4.891
28 1,1-Dichloroethane		63	3.633	3.633 (0.722)		115670	5.00000	5.307
29 tert-Butyl Alcohol		59	3.148	3.148 (0.626)		92424	100.000	105.52
30 2-Butanone		43	4.094	4.094 (0.814)		71588	10.0000	11.606
M 31 1,2-Dichloroethene (total)		96				128452	10.0000	10.490
32 cis-1,2-dichloroethene		96	4.106	4.106 (0.816)		64807	5.00000	5.163
33 2,2-Dichloropropane		77	4.106	4.106 (0.816)		66643	5.00000	5.074
34 Bromochloromethane		128	4.295	4.295 (0.854)		28755	5.00000	4.947
35 Chloroform		83	4.343	4.343 (0.864)		114878	5.00000	5.243
36 Tetrahydrofuran		42	4.331	4.331 (0.861)		22560	5.00000	6.678
37 1,1,1-Trichloroethane		97	4.508	4.508 (0.896)		88473	5.00000	5.347
38 1,1-Dichloropropene		75	4.650	4.650 (0.925)		78641	5.00000	5.099
39 Carbon Tetrachloride		117	4.650	4.650 (0.925)		68204	5.00000	5.250
40 1,2-Dichloroethane		62	4.816	4.816 (0.958)		90135	5.00000	5.035
41 Benzene		78	4.816	4.816 (0.958)		283739	5.00000	5.472
42 Trichloroethene		130	5.349	5.349 (1.064)		61441	5.00000	5.192
43 1,2-Dichloropropane		63	5.514	5.514 (1.096)		66815	5.00000	5.224
44 1,4-Dioxane		88	5.621	5.621 (1.118)		27287	250.000	248.90 (A)
45 Dibromomethane		93	5.621	5.621 (1.118)		34422	5.00000	4.857
46 Bromodichloromethane		83	5.751	5.751 (1.144)		86009	5.00000	5.112
47 2-Chloroethyl vinyl ether		63	5.988	5.988 (1.191)		62831	10.0000	8.737
48 cis-1,3-Dichloropropene		75	6.129	6.129 (1.219)		97774	5.00000	4.750
49 4-Methyl-2-pentanone		43	6.248	6.248 (1.242)		106568	10.0000	9.627
50 Toluene		91	6.437	6.437 (0.838)		271647	5.00000	4.980
51 trans-1,3-Dichloropropene		75	6.603	6.603 (0.860)		92511	5.00000	4.730
52 Ethyl Methacrylate		69	6.686	6.686 (0.871)		71117	5.00000	4.226
53 1,1,2-Trichloroethane		97	6.780	6.780 (0.883)		55141	5.00000	4.983
54 1,3-Dichloropropane		76	6.922	6.922 (0.901)		104493	5.00000	5.012
55 Tetrachloroethene		164	6.934	6.934 (0.903)		46594	5.00000	5.272
56 2-Hexanone		43	6.993	6.993 (0.911)		81226	10.0000	9.196
57 Dibromochloromethane		129	7.135	7.135 (0.929)		56564	5.00000	4.793
58 1,2-Dibromoethane		107	7.242	7.242 (0.943)		49174	5.00000	4.510
59 Chlorobenzene		112	7.703	7.703 (1.003)		176312	5.00000	4.992
60 1,1,1,2-Tetrachloroethane		131	7.774	7.774 (1.012)		61700	5.00000	5.028
61 Ethylbenzene		106	7.798	7.798 (1.015)		84068	5.00000	4.713
62 m + p-Xylene		106	7.904	7.904 (1.029)		221783	10.0000	9.654
M 63 Xylenes (total)		106				325206	15.0000	14.239
64 Xylene-o		106	8.283	8.283 (1.079)		103423	5.00000	4.586
65 Styrene		104	8.295	8.295 (1.080)		183225	5.00000	4.543

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
 Report Date: 15-Sep-2004 12:48

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)
		====	==	=====	=====	=====	=====
66 Bromoform		173	8.472	8.472 (1.103)		36774	5.00000 4.584
67 Isopropylbenzene		105	8.626	8.626 (1.123)		245674	5.00000 4.891
68 1,1,2,2-Tetrachloroethane		83	8.898	8.898 (0.898)		69472	5.00000 4.914
69 1,4-Dichloro-2-butene		53	8.958	8.958 (0.904)		21722	5.00000 4.670
70 1,2,3-Trichloropropane		110	8.946	8.946 (0.903)		23727	5.00000 5.114
71 Bromobenzene		156	8.934	8.934 (0.902)		69868	5.00000 4.993
72 n-Propylbenzene		120	9.029	9.029 (0.912)		67269	5.00000 5.156
73 2-Chlorotoluene		126	9.111	9.111 (0.920)		67172	5.00000 5.199
74 1,3,5-Trimethylbenzene		105	9.194	9.194 (0.928)		211928	5.00000 4.882
75 4-Chlorotoluene		126	9.218	9.218 (0.931)		71891	5.00000 5.209
76 tert-Butylbenzene		119	9.514	9.514 (0.961)		177303	5.00000 5.041
77 1,2,4-Trimethylbenzene		105	9.561	9.561 (0.965)		218676	5.00000 4.719
78 sec-Butylbenzene		105	9.727	9.727 (0.982)		249496	5.00000 5.241
79 4-Isopropyltoluene		119	9.869	9.869 (0.996)		190215	5.00000 4.803
80 1,3-Dichlorobenzene		146	9.845	9.845 (0.994)		141050	5.00000 5.460
81 1,4-Dichlorobenzene		146	9.928	9.928 (1.002)		139945	5.00000 5.178
82 n-Butylbenzene		91	10.271	10.271 (1.037)		174632	5.00000 4.936
83 1,2-Dichlorobenzene		146	10.295	10.295 (1.039)		135942	5.00000 5.343
84 1,2-Dibromo-3-chloropropane		157	11.064	11.064 (1.117)		11856	5.00000 4.952
85 1,2,4-Trichlorobenzene		180	11.892	11.892 (1.201)		52887	5.00000 4.882
86 Hexachlorobutadiene		225	12.070	12.070 (1.219)		36648	5.00000 4.872
87 Naphthalene		128	12.129	12.129 (1.225)		112143	5.00000 4.386
88 1,2,3-Trichlorobenzene		180	12.377	12.377 (1.250)		35937	5.00000 4.626
98 Cyclohexane		56	4.568	4.568 (0.908)		84417	5.00000 5.095
143 Methyl Acetate		43	2.994	2.994 (0.595)		100499	10.0000 10.849
144 Methylcyclohexane		83	5.514	5.514 (1.096)		78015	5.00000 5.612
141 1,3,5-Trichlorobenzene		180	11.277	11.277 (1.139)		80418	5.00000 5.624

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

STL North Canton

RECOVERY REPORT

Client Name:
 Sample Matrix: LIQUID
 Lab Smp Id: ICV
 Level: LOW
 Data Type: MS DATA
 SpikeList File: plexus-ck.spk
 Sublist File: 2-8260.SUB
 Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
 Misc Info: J40914B-IC, 8260LLUX11, 2-8260.SUB, 43582, 3

Client SDG: SDGa00594
 Fraction: VOA
 Operator: 43582
 SampleType: METHSPIKE
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
17 1,1-Dichloroethene	10.000	9.507	95.07	45-155
42 Trichloroethene	10.000	9.342	93.42	45-155
59 Chlorobenzene	10.000	9.443	94.43	45-155
50 Toluene	10.000	9.460	94.60	45-155
41 Benzene	10.000	9.294	92.94	45-155
16 Acetone	10.000	6.134	61.34	45-155
20 Carbon Disulfide	10.000	9.433	94.33	45-155
9 Chloromethane	10.000	8.196	81.96	45-155
11 Bromomethane	10.000	8.864	88.64	45-155
10 Vinyl Chloride	10.000	8.534	85.34	45-155
12 Chloroethane	10.000	8.736	87.36	45-155
21 Methylene Chloride	10.000	9.642	96.42	45-155
28 1,1-Dichloroethane	10.000	9.526	95.26	45-155
M	31 1,2-Dichloroethene	20.000	18.957	94.78
	35 Chloroform	10.000	9.419	94.19
	40 1,2-Dichloroethane	10.000	9.839	98.39
	30 2-Butanone	10.000	8.378	83.78
	37 1,1,1-Trichloroeth	10.000	9.100	91.00
	39 Carbon Tetrachlori	10.000	9.159	91.59
	46 Bromodichlorometha	10.000	9.513	95.13
	43 1,2-Dichloropropan	10.000	9.463	94.63
	48 cis-1,3-Dichloropr	10.000	9.690	96.90
	57 Dibromochlorometha	10.000	10.024	100.24
	53 1,1,2-Trichloroeth	10.000	9.656	96.56
	51 trans-1,3-Dichloro	10.000	9.392	93.92
	66 Bromoform	10.000	9.919	99.19
	49 4-Methyl-2-pentano	10.000	9.709	97.09
	56 2-Hexanone	10.000	8.736	87.36
	55 Tetrachloroethene	10.000	9.092	90.92
	68 1,1,2,2-Tetrachlor	10.000	10.303	103.03
	61 Ethylbenzene	10.000	9.427	94.27
	65 Styrene	10.000	9.617	96.17
	M 63 Xylenes (total)	30.000	28.176	93.92
				45-155

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
32 cis-1,2-dichloroet	10.000	9.524	95.24	45-155
25 trans-1,2-Dichloro	10.000	9.432	94.32	45-155
8 Dichlorodifluorome	10.000	9.117	91.17	45-155
13 Trichlorofluoromet	10.000	9.634	96.34	45-155
18 Freon-113	10.000	11.317	113.17	45-155
24 Methyl tert-butyl	10.000	9.278	92.78	45-155
58 1,2-Dibromoethane	10.000	9.902	99.02	45-155
67 Isopropylbenzene	10.000	9.750	97.50	45-155
80 1,3-Dichlorobenzen	10.000	9.577	95.77	45-155
81 1,4-Dichlorobenzen	10.000	9.879	98.79	45-155
83 1,2-Dichlorobenzen	10.000	9.570	95.70	45-155
84 1,2-Dibromo-3-chlo	10.000	10.335	103.35	45-155
85 1,2,4-Trichloroben	10.000	9.534	95.34	45-155
98 Cyclohexane	10.000	9.159	91.59	45-155
143 Methyl Acetate	10.000	9.302	93.02	45-155
144 Methylcyclohexane	10.000	8.960	89.60	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 4 Dibromofluorometha	10.000	9.507	95.07	73-122
\$ 5 1,2-Dichloroethane	10.000	9.840	98.40	61-128
\$ 6 Toluene-d8	10.000	9.847	98.47	76-110
\$ 7 Bromofluorobenzene	10.000	10.152	101.52	74-116

Data File: \\pcanon04\dd\chem\MSV\3uX11.i\\J40914B-1C.b\\UKJ23876.D
Date : 14-SEP-2004 16:04

Client ID:

Sample Info: ICW

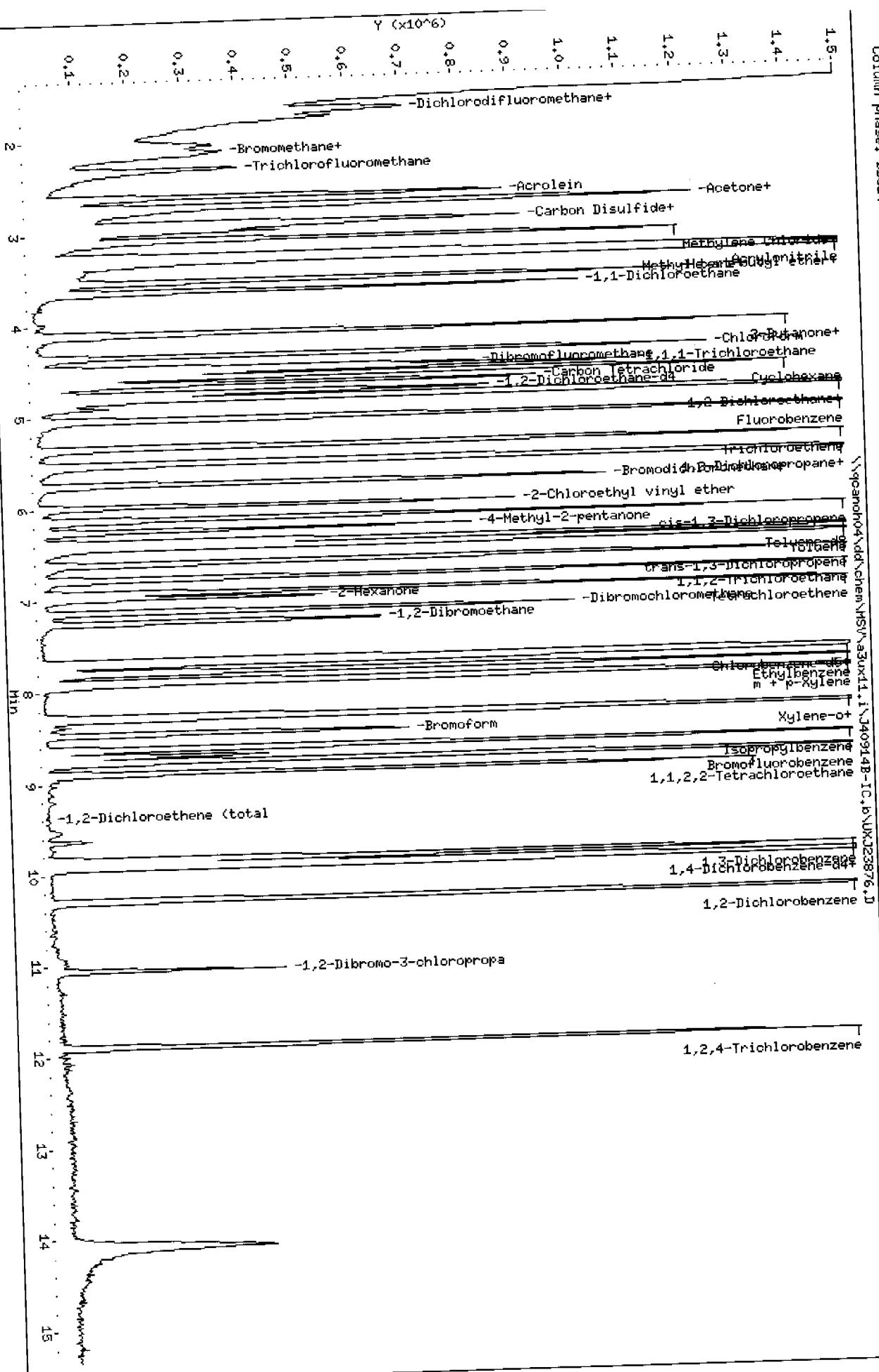
Purge Volume: 5.0

Column Phase: DB224

Instrument: 3uX11.i

Operator: 43582

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Report Date: 15-Sep-2004 13:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Lab Smp Id: ICV
Inj Date : 14-SEP-2004 16:04
Operator : 43582 Inst ID: a3ux11.i
Smp Info : ICV
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 13:00 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
*	1 Fluorobenzene	96	5.029	5.029 (1.000)	2348288	50.0000		
*	2 Chlorobenzene-d5	117	7.680	7.680 (1.000)	1882362	50.0000		
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	979729	50.0000		
\$	4 Dibromofluoromethane	113	4.473	4.473 (0.889)	519715	47.5349	9.507	
\$	5 1,2-Dichloroethane-d4	65	4.745	4.757 (0.944)	739678	49.1997	9.840	
\$	6 Toluene-d8	98	6.378	6.378 (0.831)	2226509	49.2353	9.847	
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.143)	975336	50.7609	10.152	
8	Dichlorodifluoromethane	85	1.527	1.526 (0.304)	559620	45.5836	9.117	
9	Chloromethane	50	1.680	1.668 (0.334)	898254	40.9791	8.196	
10	Vinyl Chloride	62	1.775	1.763 (0.353)	639778	42.6691	8.534	
11	Bromomethane	94	2.047	2.035 (0.407)	315198	44.3200	8.864	
12	Chloroethane	64	2.118	2.118 (0.421)	481308	43.6780	8.736	
13	Trichlorofluoromethane	101	2.308	2.307 (0.459)	756987	48.1676	9.634	
15	Acrolein	56	2.615	2.615 (0.520)	1028164	700.930	140.18	
16	Acetone	43	2.722	2.722 (0.541)	180849	30.6678	6.134	
17	1,1-Dichloroethene	96	2.710	2.710 (0.539)	499203	47.5355	9.507	
18	Freon-113	151	2.734	2.745 (0.544)	373218	56.5832	11.317	
19	Iodomethane	142		Compound Not Detected.				

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJZ58\0.D
 Report Date: 15-Sep-2004 13:02

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ng)	(ug/L)
20 Carbon Disulfide		76	2.899	2.899 (0.577)	1.850176	47.1646	9.433	
21 Methylene Chloride		84	3.077	3.077 (0.612)	719449	48.2118	9.642	
22 Acetonitrile		41	2.935	2.946 (0.584)	665528	477.523	95.505	
23 Acrylonitrile		53	3.254	3.254 (0.647)	2230444	514.640	102.93	
24 Methyl tert-butyl ether		73	3.302	3.301 (0.657)	1561889	46.3911	9.278	
25 trans-1,2-Dichloroethene		96	3.313	3.313 (0.659)	587539	47.1615	9.432	
26 Hexane		86	3.526	3.526 (0.701)	107938	53.4083	10.682	
27 Vinyl acetate		43	3.526	3.656 (0.701)	387039	19.4150	3.883	
28 1,1-Dichloroethane		63	3.633	3.633 (0.722)	1082468	47.6309	9.526	
29 tert-Butyl Alcohol		59	2.994	3.148 (0.595)	39015	42.7151	8.543	
30 2-Butanone		43	4.083	4.094 (0.812)	269449	41.8924	8.378	
M 31 1,2-Dichloroethene (total)		96			1210887	94.7835	18.957	
32 cis-1,2-dichloroethene		96	4.094	4.106 (0.814)	623348	47.6220	9.524	
33 2,2-Dichloropropane		77		Compound Not Detected.				
34 Bromochloromethane		128		Compound Not Detected.				
35 Chloroform		83	4.343	4.343 (0.864)	1075879	47.0934	9.419	
36 Tetrahydrofuran		42	4.083	4.331 (0.812)	19114	5.46454	1.093	
37 1,1,1-Trichloroethane		97	4.509	4.508 (0.896)	785098	45.5027	9.100	
38 1,1-Dichloropropene		75		Compound Not Detected.				
39 Carbon Tetrachloride		117	4.662	4.650 (0.927)	620420	45.7962	9.159	
40 1,2-Dichloroethane		62	4.816	4.816 (0.958)	918291	49.1951	9.839	
41 Benzene		78	4.816	4.816 (0.958)	2512537	46.4726	9.294	
42 Trichloroethene		130	5.337	5.349 (1.061)	576326	46.7078	9.342	
43 1,2-Dichloropropane		63	5.526	5.514 (1.099)	631042	47.3158	9.463	
44 1,4-Dioxane		88		Compound Not Detected.				
45 Dibromomethane		93		Compound Not Detected.				
46 Bromodichloromethane		83	5.751	5.751 (1.144)	834464	47.5633	9.513	
47 2-Chloroethyl vinyl ether		63	5.988	5.988 (1.191)	393567	52.4826	10.496	
48 cis-1,3-Dichloropropene		75	6.130	6.129 (1.219)	1040015	48.4491	9.690	
49 4-Methyl-2-pentanone		43	6.248	6.248 (1.242)	560341	48.5456	9.709	
50 Toluene		91	6.437	6.437 (0.838)	2659243	47.3027	9.460	
51 trans-1,3-Dichloropropene		75	6.603	6.603 (0.860)	946487	46.9582	9.392	
52 Ethyl Methacrylate		69		Compound Not Detected.				
53 1,1,2-Trichloroethane		97	6.769	6.780 (0.881)	550573	48.2825	9.656	
54 1,3-Dichloropropane		76		Compound Not Detected.				
55 Tetrachloroethene		164	6.934	6.934 (0.903)	414030	45.4582	9.092	
56 2-Hexanone		43	6.982	6.993 (0.909)	397634	43.6825	8.736	
57 Dibromochloromethane		129	7.135	7.135 (0.929)	609608	50.1213	10.024	
58 1,2-Dibromoethane		107	7.254	7.242 (0.945)	556274	49.5113	9.902	
59 Chlorobenzene		112	7.703	7.703 (1.003)	1718695	47.2166	9.443	
60 1,1,1,2-Tetrachloroethane		131		Compound Not Detected.				
61 Ethylbenzene		106	7.798	7.798 (1.015)	866451	47.1356	9.427	
62 m + p-Xylene		106	7.905	7.904 (1.029)	2209377	93.3186	18.664	
M 63 Xylenes (total)		106			3314793	140.878	28.176	
64 Xylene-o		104	8.283	8.283 (1.079)	1105416	47.5597	9.512	
65 Styrene		104	8.295	8.295 (1.080)	1998604	48.0849	9.617	
66 Bromoform		173	8.473	8.472 (1.103)	410026	49.5965	9.919	

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
67 Isopropylbenzene		105	8.626	8.626 (1.123)	2523492	48.7480	9.750
68 1,1,2,2-Tetrachloroethane		83	8.899	8.898 (0.898)	760843	51.5174	10.303
69 1,4-Dichloro-2-butene		53		Compound Not Detected.			
70 1,2,3-Trichloropropane		110		Compound Not Detected.			
71 Bromobenzene		156		Compound Not Detected.			
72 n-Propylbenzene		120		Compound Not Detected.			
73 2-Chlorotoluene		126		Compound Not Detected.			
74 1,3,5-Trimethylbenzene		105		Compound Not Detected.			
75 4-Chlorotoluene		126		Compound Not Detected.			
76 tert-Butylbenzene		119		Compound Not Detected.			
77 1,2,4-Trimethylbenzene		105		Compound Not Detected.			
78 sec-Butylbenzene		105		Compound Not Detected.			
79 4-Isopropyltoluene		119		Compound Not Detected.			
80 1,3-Dichlorobenzene		146	9.845	9.845 (0.994)	1292290	47.8872	9.577
81 1,4-Dichlorobenzene		146	9.928	9.928 (1.002)	1394610	49.3955	9.879
82 n-Butylbenzene		91		Compound Not Detected.			
83 1,2-Dichlorobenzene		146	10.295	10.295 (1.039)	1271863	47.8511	9.570
84 1,2-Dibromo-3-chloropropane		157	11.052	11.064 (1.116)	129232	51.6742	10.335
85 1,2,4-Trichlorobenzene		180	11.892	11.892 (1.201)	539429	47.6703	9.534
86 Hexachlorobutadiene		225		Compound Not Detected.			
87 Naphthalene		128		Compound Not Detected.			
88 1,2,3-Trichlorobenzene		180		Compound Not Detected.			
98 Cyclohexane		56	4.568	4.568 (0.908)	791178	45.7968	9.159
143 Methyl Acetate		43	2.994	2.994 (0.595)	449301	46.5123	9.302
144 Methylcyclohexane		83	5.514	5.514 (1.096)	649471	44.7998	8.960
141 1,3,5-Trichlorobenzene		180		Compound Not Detected.			

Calibration History

Method : \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J41005A.b\\8260LLUX11.m
Start Cal Date: 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
14-SEP-2004 15:41	2-8260	UXJ23875.D
16-AUG-2004 18:11	3-IX	UXJ23214.D
Cal Level: 2 , Cal Amount: 10.000		
14-SEP-2004 15:19	2-8260	UXJ23874.D
16-AUG-2004 17:48	3-IX	UXJ23213.D
Cal Level: 3 , Cal Amount: 25.000		
14-SEP-2004 14:57	2-8260	UXJ23873.D
16-AUG-2004 17:26	3-IX	UXJ23212.D
Cal Level: 4 , Cal Amount: 50.000		
14-SEP-2004 14:33	2-8260	UXJ23872.D
16-AUG-2004 17:03	3-IX	UXJ23211.D
Cal Level: 5 , Cal Amount: 100.00		
14-SEP-2004 14:10	2-8260	UXJ23871.D
16-AUG-2004 16:40	3-IX	UXJ23210.D
Cal Level: 6 , Cal Amount: 200.00		
14-SEP-2004 13:48	2-8260	UXJ23870.D
16-AUG-2004 16:18	3-IX	UXJ23209.D

Continuing Calibration

05-OCT-2004 08:11	2-8260	UXJ24391.D
05-OCT-2004 08:34	3-IX	UXJ24392.D

Data File: \\qcanoh04\dd\chem\MSV\ a3ux11.i \J41005A.b\UXJ24391.D
Report Date: 05-Oct-2004 09:15

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 05-OCT-2004 08:11
Lab File ID: UXJ24391.D Init. Cal. Date(s): 16-AUG-2004 14-SEP-2004
Analysis Type: WATER Init. Cal. Times: 16:18 15:41
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\ a3ux11.i \J41005A.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN	%D	MAX
4 Dibromofluoromethane	0.23279	0.23143|0.010|	-0.6	50.0	
5 1,2-Dichloroethane-d4	0.32011	0.32086|0.010|	0.2	50.0	
6 Toluene-d8	1.20120	1.29121|0.010|	7.5	50.0	
7 Bromofluorobenzene	0.51038	0.53851|0.010|	5.5	50.0	
8 Dichlorodifluoromethane	0.26140	0.25650|0.010|	-1.9	50.0	
9 Chloromethane	0.46672	0.44691|0.100|	-4.2	50.0	
10 Vinyl Chloride	0.31925	0.26511|0.010|	-17.0	20.0	
11 Bromomethane	0.15143	0.08860|0.010|	-41.5	50.0	
12 Chloroethane	0.23463	0.25497|0.010|	8.7	50.0	
13 Trichlorofluoromethane	0.33462	0.21105|0.010|	-36.9	50.0	
15 Acrolein	0.03123	0.04478|0.010|	43.4	50.0	
16 Acetone	100	77.01908|0.010|	23.0	50.0	
17 1,1-Dichloroethene	0.22360	0.21998|0.010|	-1.6	20.0	
18 Freon-113	50.00000	53.87216|0.010|	-7.7	50.0	
19 Iodomethane	0.33050	0.21827|0.010|	-34.0	50.0	
20 Carbon Disulfide	0.83525	0.94350|0.010|	13.0	50.0	
21 Methylene Chloride	50.00000	52.45624|0.010|	-4.9	50.0	
22 Acetonitrile	0.02967	0.03329|0.010|	12.2	50.0	
23 Acrylonitrile	0.09228	0.11367|0.010|	23.2	50.0	
24 Methyl tert-butyl ether	0.71686	0.60569|0.010|	-15.5	50.0	
25 trans-1,2-Dichloroethene	0.26526	0.25540|0.010|	-3.7	50.0	
26 Hexane	50.00000	51.68672|0.010|	-3.4	20.0	
27 Vinyl acetate	0.42446	0.51963|0.010|	22.4	50.0	
28 1,1-Dichloroethane	0.48389	0.46877|0.100|	-3.1	50.0	
29 tert-Butyl Alcohol	0.01945	0.01625|0.010|	-16.4	50.0	
30 2-Butanone	0.13695	0.12779|0.010|	-6.7	50.0	
M 31 1,2-Dichloroethene (total)	0.27198	0.26619|0.010|	-2.1	50.0	
32 cis-1,2-dichloroethene	0.27870	0.27698|0.010|	-0.6	50.0	
33 2,2-Dichloropropane	0.29161	0.17000|0.010|	-41.7	50.0	
34 Bromochloromethane	0.12906	0.12977|0.010|	0.6	50.0	
35 Chloroform	0.48643	0.46488|0.010|	-4.4	20.0	
36 Tetrahydrofuran	50.00000	53.99036|0.010|	-8.0	50.0	
37 1,1,1-Trichloroethane	0.36737	0.27873|0.010|	-24.1	50.0	
38 1,1-Dichloropropene	0.34240	0.31682|0.010|	-7.5	50.0	
39 Carbon Tetrachloride	0.28845	0.25131|0.010|	-12.9	50.0	
40 1,2-Dichloroethane	0.39745	0.38338|0.010|	-3.5	50.0	

Data File: \\qcanoh04\dd\chem\MSV\ a3ux11.i \J41005A.b\UXJ24391.D
Report Date: 05-Oct-2004 09:15

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 05-OCT-2004 08:11
Lab File ID: UXJ24391.D Init. Cal. Date(s): 16-AUG-2004 14-SEP-2004
Analysis Type: WATER Init. Cal. Times: 16:18 15:41
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\ a3ux11.i \J41005A.b\8260LLUX11.m

COMPOUND	—	—	MIN	MAX	
	RRF	RF50	RRF	%D	%D
41 Benzene	1.15116	1.12401|0.010|	-2.4	50.0	
42 Trichloroethene	0.26272	0.24293|0.010|	-7.5	50.0	
43 1,2-Dichloropropane	0.28397	0.28411|0.010|	0.1	20.0	
44 1,4-Dioxane	0.00243	0.00212|0.010|	-13.0	50.0	<-
45 Dibromomethane	0.15736	0.16302|0.010|	3.6	50.0	
46 Bromodichloromethane	0.37355	0.35657|0.010|	-4.5	50.0	
47 2-Chloroethyl vinyl ether	0.15967	0.14276|0.010|	-10.6	50.0	
48 cis-1,3-Dichloropropene	0.45706	0.41209|0.010|	-9.8	50.0	
49 4-Methyl-2-pentanone	0.24577	0.27900|0.010|	13.5	50.0	
50 Toluene	1.49327	1.54734|0.010|	3.6	20.0	
51 trans-1,3-Dichloropropene	0.53539	0.50300|0.010|	-6.0	50.0	
52 Ethyl Methacrylate	0.46066	0.48701|0.010|	5.7	50.0	
53 1,1,2-Trichloroethane	0.30290	0.33946|0.010|	12.1	50.0	
54 1,3-Dichloropropane	0.57071	0.63978|0.010|	12.1	50.0	
55 Tetrachloroethene	0.24193	0.25065|0.010|	3.6	50.0	
56 2-Hexanone	0.24179	0.27138|0.010|	12.2	50.0	
57 Dibromochloromethane	0.32307	0.34478|0.010|	6.7	50.0	
58 1,2-Dibromoethane	0.29844	0.33377|0.010|	11.8	50.0	
59 Chlorobenzene	0.96688	1.00743|0.300|	4.2	50.0	
60 1,1,2-Tetrachloroethane	0.33590	0.33699|0.010|	0.3	50.0	
61 Ethylbenzene	0.48827	0.49579|0.010|	1.5	20.0	
62 m + p-Xylene	0.62888	0.64996|0.010|	0.4	50.0	
M 63 Xylenes (total)	0.62505	0.64631|0.010|	3.4	50.0	
64 Xylene-o	0.61738	0.63901|0.010|	3.5	50.0	
65 Styrene	1.10404	1.17543|0.010|	6.5	50.0	
66 Bromoform	0.21960	0.23727|0.100|	8.0	50.0	
67 Isopropylbenzene	1.37503	1.31455|0.010|	-4.4	50.0	
68 1,1,2,2-Tetrachloroethane	0.75371	0.90838|0.300|	20.5	50.0	
69 1,4-Dichloro-2-butene	0.24799	0.24365|0.010|	-1.8	50.0	
70 1,2,3-Trichloropropane	0.24733	0.28412|0.010|	14.9	50.0	
71 Bromobenzene	0.74599	0.79258|0.010|	6.2	50.0	
72 n-Propylbenzene	0.69551	0.70888|0.010|	1.9	50.0	
73 2-Chlorotoluene	0.68879	0.70487|0.010|	2.3	50.0	
74 1,3,5-Trimethylbenzene	2.31439	2.38369|0.010|	3.0	50.0	
75 4-Chlorotoluene	0.73580	0.78013|0.010|	6.0	50.0	
76 tert-Butylbenzene	1.87499	1.76358|0.010|	-5.9	50.0	

Data File: \\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J41005A.b\\UXJ24391.D
Report Date: 05-Oct-2004 09:15

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 05-OCT-2004 08:11
Lab File ID: UXJ24391.D Init. Cal. Date(s): 16-AUG-2004 14-SEP-2004
Analysis Type: WATER Init. Cal. Times: 16:18 15:41
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\\dd\\chem\\MSV\\a3ux11.i\\J41005A.b\\8260LLUX11.m

COMPOUND	—	RF50	MIN	MAX	
	RRF		RRF	%D	%D
77 1,2,4-Trimethylbenzene	2.47063	2.53746	0.010	2.7	50.0
78 sec-Butylbenzene	2.53792	2.40157	0.010	-5.4	50.0
79 4-Isopropyltoluene	2.11151	1.98187	0.010	-6.1	50.0
80 1,3-Dichlorobenzene	1.37723	1.36663	0.010	-0.8	50.0
81 1,4-Dichlorobenzene	1.44089	1.42049	0.010	-1.4	50.0
82 n-Butylbenzene	1.88626	1.56424	0.010	-17.1	50.0
83 1,2-Dichlorobenzene	1.35648	1.30647	0.010	-3.7	50.0
84 1,2-Dibromo-3-chloropropane	0.12763	0.10138	0.010	-20.6	50.0
85 1,2,4-Trichlorobenzene	0.57750	0.31078	0.010	-46.2	50.0
86 Hexachlorobutadiene	50.00000	32.21211	0.010	35.6	50.0
87 Naphthalene	1.36300	0.61973	0.010	-54.5	50.0|<-
88 1,2,3-Trichlorobenzene	0.41413	0.21481	0.010	-48.1	50.0
98 Cyclohexane	0.36784	0.37873	0.010	3.0	50.0
143 Methyl Acetate	0.20568	0.22152	0.010	7.7	50.0
144 Methylcyclohexane	0.30868	0.27293	0.010	-11.6	50.0
141 1,3,5-Trichlorobenzene	0.76231	0.53859	0.010	-29.3	50.0

Data File: \\qcanon04\dd\chem\MSV\A3UX11.I
Report Date: 10/05/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ24391.D
Analysis Type: WATER

Injection Date: 05-OCT-2004 08:11
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\A3UX11.I\J41005A

COMPOUND	EXPECTED	MEASURED	%D	MAX
	CONC.	CONC.		
0 Chlorobenzene	50.0000	52.0970	4.2	50.0
0 Bromodichloromethane	50.0000	47.7261	4.5	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	60.2608	20.5	50.0
0 Bromoform	50.0000	54.0248	8.0	50.0
0 Styrene	50.0000	53.2332	6.5	50.0
0 Xylene-o	50.0000	51.7514	3.5	50.0
0 Xylenes (total)	150.0000	155.1029	3.4	50.0
0 2-Hexanone	100.0000	112.2348	12.2	50.0
0 Chloromethane	50.0000	47.8783	4.2	50.0
0 Vinyl Chloride	50.0000	41.5211	17.0	20.0
0 Bromomethane	50.0000	29.2564	41.5	50.0
0 Chloroethane	50.0000	54.3359	8.7	50.0
0 1,1-Dichloroethane	50.0000	48.4375	3.1	50.0
0 Tetrachloroethene	50.0000	51.8033	3.6	50.0
0 Acetone	100.0000	77.0191	23.0	50.0
0 1,1-Dichloroethene	50.0000	49.1897	1.6	20.0
0 m + p-Xylene	100.0000	103.3515	3.4	50.0
0 Ethylbenzene	50.0000	50.7693	1.5	20.0
0 Carbon Disulfide	50.0000	56.4800	13.0	50.0
0 Methylene Chloride	50.0000	52.4562	4.9	50.0
0 1,2-Dichloropropane	50.0000	50.0253	0.1	20.0
0 1,1,2-Trichloroethane	50.0000	56.0350	12.1	50.0
0 Dibromochloromethane	50.0000	53.3606	6.7	50.0
0 trans-1,2-Dichloroethene	50.0000	48.1423	3.7	50.0
0 trans-1,3-Dichloropropene	50.0000	46.9754	6.0	50.0
0 cis-1,3-Dichloropropene	50.0000	45.0808	9.8	50.0
0 Chloroform	50.0000	47.7851	4.4	20.0
0 Toluene	50.0000	51.8102	3.6	20.0
0 2-Butanone	100.0000	93.3124	6.7	50.0
0 1,2-Dichloroethene (total)	100.0000	97.8337	2.2	50.0
0 cis-1,2-dichloroethene	50.0000	49.6913	0.6	50.0
0 4-Methyl-2-pentanone	100.0000	113.5221	13.5	50.0
0 1,2-Dichloroethane	50.0000	48.2300	3.5	50.0
0 Trichloroethene	50.0000	46.2333	7.5	50.0
0 1,1,1-Trichloroethane	50.0000	37.9361	24.1	50.0
0 Carbon Tetrachloride	50.0000	43.5607	12.9	50.0
0 Benzene	50.0000	48.8209	2.4	50.0
38 Dichlorodifluoromethane	50.0000	49.0628	1.9	50.0
39 Trichlorodifluoromethane	50.0000	31.5363	36.9	50.0

Data File: \\QCANOH04\\dd\\chem\\MSV\\a3ux11.i
Report Date: 10/05/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ24391.D
Analysis Type: WATER

Injection Date: 05-OCT-2004 08:11
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\\dd\\chem\\MSV\\a3ux11.i\\

COMPOUND	EXPECTED	MEASURED	%D	MAX
	CONC.	CONC.		
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	716.9572	43.4	50.0
41 Acrylonitrile	500.0000	615.8806	23.2	50.0
42 Vinyl acetate	50.0000	61.2104	22.4	50.0
43 2-Chloroethyl vinyl ether	100.0000	89.4122	10.6	50.0
47 Freon-113	50.0000	53.8722	7.7	50.0
48 1,3-Dichlorobenzene	50.0000	49.6153	0.8	50.0
49 1,4-Dichlorobenzene	50.0000	49.2922	1.4	50.0
50 1,2-Dichlorobenzene	50.0000	48.1567	3.7	50.0
51 Acetonitrile	500.0000	560.9286	12.2	50.0
52 Iodomethane	50.0000	33.0207	34.0	50.0
59 1,4-Dioxane	2500.0000	2175.7142	13.0	50.0
60 Dibromomethane	50.0000	51.8007	3.6	50.0
62 Ethyl Methacrylate	50.0000	52.8606	5.7	50.0
63 1,2-Dibromoethane	50.0000	55.9202	11.8	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	50.1619	0.3	50.0
65 1,2,3-Trichloropropane	50.0000	57.4370	14.9	50.0
66 1,4-Dichloro-2-butene	50.0000	49.1245	1.8	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	39.7147	20.6	50.0
82 Methyl tert-butyl ether	50.0000	42.2459	15.5	50.0
84 Tetrahydrofuran	50.0000	53.9904	8.0	50.0
98 2,2-Dichloropropane	50.0000	29.1482	41.7	50.0
99 1,1-Dichloropropene	50.0000	46.2658	7.5	50.0
100 1,3-Dichloropropane	50.0000	56.0509	12.1	50.0
102 Bromobenzene	50.0000	53.1226	6.2	50.0
103 2-Chlorotoluene	50.0000	51.1679	2.3	50.0
104 n-Propylbenzene	50.0000	50.9605	1.9	50.0
105 4-Chlorotoluene	50.0000	53.0129	6.0	50.0
106 1,3,5-Trimethylbenzene	50.0000	51.4971	3.0	50.0
107 tert-Butylbenzene	50.0000	47.0289	5.9	50.0
108 1,2,4-Trimethylbenzene	50.0000	51.3525	2.7	50.0
109 sec-Butylbenzene	50.0000	47.3137	5.4	50.0
110 4-Isopropyltoluene	50.0000	46.9303	6.1	50.0
111 n-Butylbenzene	50.0000	41.4639	17.1	50.0
112 1,2,4-Trichlorobenzene	50.0000	26.9075	46.2	50.0
113 Naphthalene	50.0000	22.7341	54.5	50.0
114 Hexachlorobutadiene	50.0000	32.2121	35.6	50.0
115 1,2,3-Trichlorobenzene	50.0000	25.9348	48.1	50.0
124 tert-Butyl Alcohol	1000.0000	835.6835	16.4	50.0

Data File: \\QCANOHO4\\dd\\chem\\MSV\\a3ux11.i
Report Date: 10/05/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

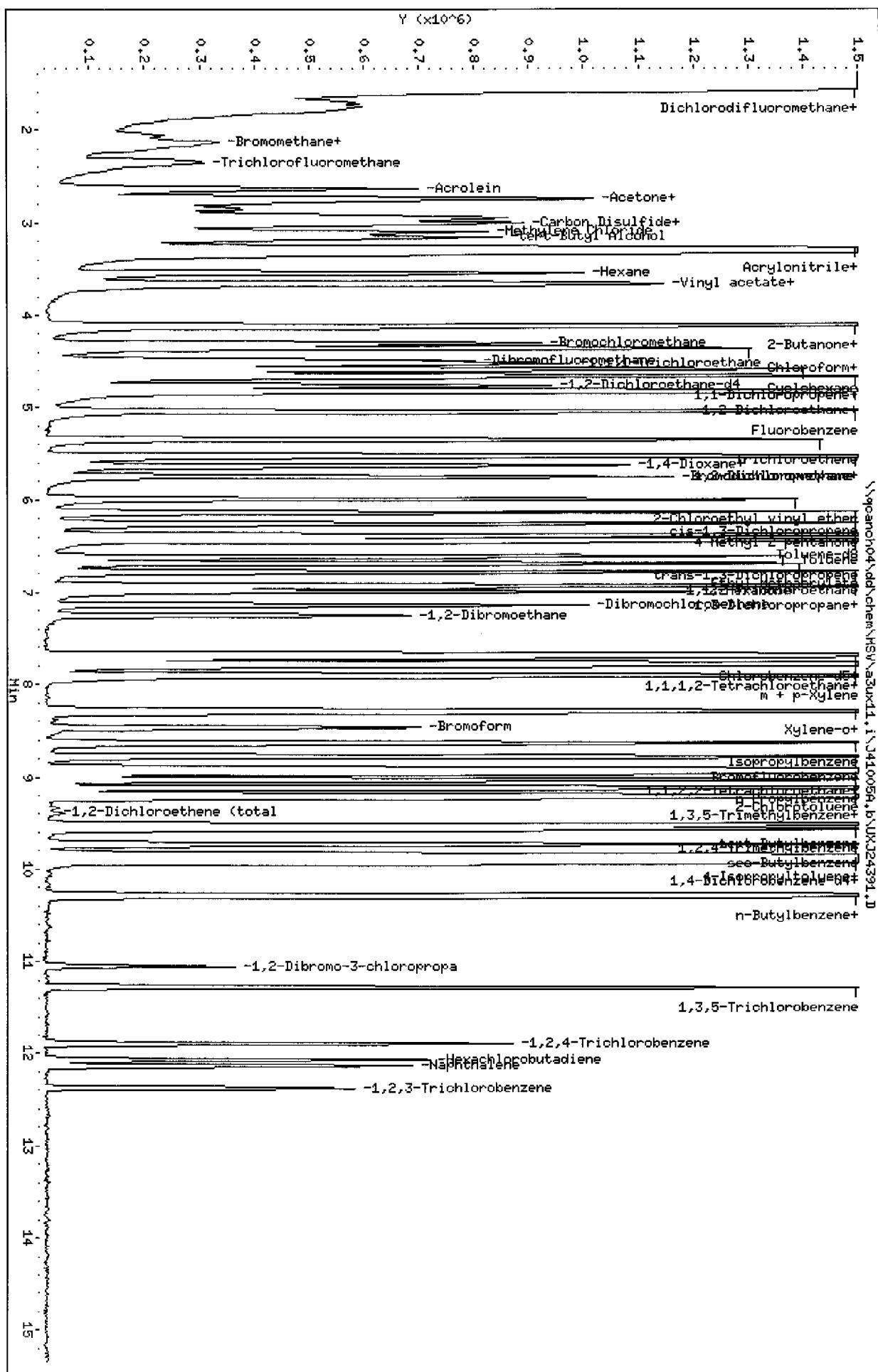
Instrument ID: a3ux11.i
Lab File ID: UXJ24391.D
Analysis Type: WATER

Injection Date: 05-OCT-2004 08:11
Lab Sample ID: 50NG-CC
Method File: \\QCANOHO4\\dd\\chem\\MSV\\a3ux11.i\\

COMPOUND	EXPECTED	MEASURED	%D	MAX
	CONC.	CONC.		
125 Hexane	50.0000	51.6867	3.4	20.0
127 Cyclohexane	50.0000	51.4798	3.0	50.0
128 Isopropylbenzene	50.0000	47.8009	4.4	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	50.2758	0.6	50.0
141 1,3,5-Trichlorobenzene	50.0000	35.3263	29.3	50.0
143 Methyl Acetate	100.0000	107.7023	7.7	50.0
144 Methylcyclohexane	50.0000	44.2102	11.6	50.0
22 Toluene-d8	50.0000	53.7468	7.5	50.0
32 Bromofluorobenzene	50.0000	52.7558	5.5	50.0
47 1,2-Dichloroethane-d4	50.0000	50.1177	0.2	50.0
131 Dibromofluoromethane	50.0000	49.7061	0.6	50.0

Instrument: 30x11.i

Operator: 43582
 Column diameter: 0.18



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24391.D
Lab Smp Id: 50NG-CC
Inj Date : 05-OCT-2004 08:11
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J41005A,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL ( ng)
* 1 Fluorobenzene	96	5.041	5.041 (1.000)	2373748	50.0000		
* 2 Chlorobenzene-d5	117	7.668	7.668 (1.000)	1746307	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	985916	50.0000		
\$ 4 Dibromofluoromethane	113	4.485	4.485 (0.890)	549347	50.0000	49.706	
\$ 5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	761650	50.0000	50.118	
\$ 6 Toluene-d8	98	6.378	6.378 (0.832)	2254852	50.0000	53.747	
\$ 7 Bromofluorobenzene	95	8.780	8.780 (1.145)	940402	50.0000	52.756	
8 Dichlorodifluoromethane	85	1.550	1.550 (0.308)	608866	50.0000	49.063	
9 Chloromethane	50	1.704	1.704 (0.338)	1060862	50.0000	47.878	
10 Vinyl Chloride	62	1.787	1.787 (0.355)	629316	50.0000	41.521	
11 Bromomethane	94	2.059	2.059 (0.409)	210324	50.0000	29.256	
12 Chloroethane	64	2.130	2.130 (0.423)	605244	50.0000	54.336	
13 Trichlorofluoromethane	101	2.331	2.331 (0.463)	500989	50.0000	31.536	
15 Acrolein	56	2.627	2.627 (0.521)	1063078	500.000	716.96	
16 Acetone	43	2.745	2.745 (0.545)	415081	100.000	77.019	
17 1,1-Dichloroethene	96	2.733	2.733 (0.542)	522176	50.0000	49.190	
18 Freon-113	151	2.745	2.745 (0.545)	358766	50.0000	53.872	

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL ( ng)
19 Iodomethane	142	2.852	2.852 (0.566)	518109	50.0000	33.021	
20 Carbon Disulfide	76	2.923	2.923 (0.580)	2239621	50.0000	56.480	
21 Methylene Chloride	84	3.100	3.100 (0.615)	780706	50.0000	52.456	
22 Acetonitrile	41	2.958	2.958 (0.587)	790247	500.000	560.93	
23 Acrylonitrile	53	3.266	3.266 (0.648)	2698160	500.000	615.88	
24 Methyl tert-butyl ether	73	3.313	3.313 (0.657)	1437751	50.0000	42.246	
25 trans-1,2-Dichloroethene	96	3.325	3.325 (0.660)	606262	50.0000	48.142	
26 Hexane	86	3.538	3.538 (0.702)	105485	50.0000	51.687	
27 Vinyl acetate	43	3.668	3.668 (0.728)	1233463	50.0000	61.210	
28 1,1-Dichloroethane	63	3.645	3.645 (0.723)	1112736	50.0000	48.438	
29 tert-Butyl Alcohol	59	3.159	3.159 (0.627)	771572	1000.00	835.68	
30 2-Butanone	43	4.094	4.094 (0.812)	606687	100.000	93.312	
M 31 1,2-Dichloroethene (total)	96				1263750	100.000	97.834
32 cis-1,2-dichloroethene	96	4.106	4.106 (0.815)	657488	50.0000	49.691	
33 2,2-Dichloropropane	77	4.106	4.106 (0.815)	403527	50.0000	29.148	
34 Bromochloromethane	128	4.295	4.295 (0.852)	308038	50.0000	50.276	
35 Chloroform	83	4.355	4.355 (0.864)	1103517	50.0000	47.785	
36 Tetrahydrofuran	42	4.331	4.331 (0.859)	193100	50.0000	53.990	
37 1,1,1-Trichloroethane	97	4.520	4.520 (0.897)	661640	50.0000	37.936	
38 1,1-Dichloropropene	75	4.650	4.650 (0.923)	752062	50.0000	46.266	
39 Carbon Tetrachloride	117	4.662	4.662 (0.925)	596535	50.0000	43.561	
40 1,2-Dichloroethane	62	4.816	4.816 (0.955)	910038	50.0000	48.230	
41 Benzene	78	4.816	4.816 (0.955)	2668117	50.0000	48.821	
42 Trichloroethene	130	5.349	5.349 (1.061)	576658	50.0000	46.233	
43 1,2-Dichloropropane	63	5.526	5.526 (1.096)	674412	50.0000	50.025	
44 1,4-Dioxane	88	5.633	5.633 (1.117)	251422	2500.00	2175.7 (A)	
45 Dibromomethane	93	5.621	5.621 (1.115)	386974	50.0000	51.801	
46 Bromodichloromethane	83	5.751	5.751 (1.141)	846399	50.0000	47.726	
47 2-Chloroethyl vinyl ether	63	5.988	5.988 (1.188)	677773	100.000	89.412	
48 cis-1,3-Dichloropropene	75	6.130	6.130 (1.216)	978203	50.0000	45.081	
49 4-Methyl-2-pentanone	43	6.248	6.248 (1.239)	1324546	100.000	113.52	
50 Toluene	91	6.437	6.437 (0.840)	2702122	50.0000	51.810	
51 trans-1,3-Dichloropropene	75	6.603	6.603 (0.861)	878398	50.0000	46.975	
52 Ethyl Methacrylate	69	6.686	6.686 (0.872)	850473	50.0000	52.860	
53 1,1,2-Trichloroethane	97	6.768	6.768 (0.883)	592793	50.0000	56.035	
54 1,3-Dichloropropane	76	6.922	6.922 (0.903)	1117249	50.0000	56.051	
55 Tetrachloroethene	164	6.934	6.934 (0.904)	437719	50.0000	51.803	
56 2-Hexanone	43	6.981	6.981 (0.911)	947810	100.000	112.23	
57 Dibromochloromethane	129	7.135	7.135 (0.931)	602098	50.0000	53.360	
58 1,2-Dibromoethane	107	7.254	7.254 (0.946)	582870	50.0000	55.920	
59 Chlorobenzene	112	7.703	7.703 (1.005)	1759279	50.0000	52.097	
60 1,1,1,2-Tetrachloroethane	131	7.774	7.774 (1.014)	588492	50.0000	50.162	
61 Ethylbenzene	106	7.798	7.798 (1.017)	865793	50.0000	50.769	
62 m + p-Xylene	106	7.904	7.904 (1.031)	2270054	100.000	103.35	
M 63 Xylenes (total)	106				3385956	150.000	155.10
64 Xylene-o	106	8.283	8.283 (1.080)	1115902	50.0000	51.751	
65 Styrene	104	8.295	8.295 (1.082)	2052664	50.0000	53.233	

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
66 Bromoform	====	173	8.461	8.461 (1.103)		414354	50.0000	54.025
67 Isopropylbenzene	====	105	8.626	8.626 (1.125)		2295614	50.0000	47.801
68 1,1,2,2-Tetrachloroethane	====	83	8.898	8.898 (0.898)		895591	50.0000	60.261
69 1,4-Dichloro-2-butene	====	53	8.958	8.958 (0.904)		240215	50.0000	49.124
70 1,2,3-Trichloropropane	====	110	8.946	8.946 (0.903)		280118	50.0000	57.437
71 Bromobenzene	====	156	8.922	8.922 (0.901)		781416	50.0000	53.122
72 n-Propylbenzene	====	120	9.029	9.029 (0.912)		698892	50.0000	50.960
73 2-Chlorotoluene	====	126	9.111	9.111 (0.920)		694946	50.0000	51.168
74 1,3,5-Trimethylbenzene	====	105	9.194	9.194 (0.928)		2350117	50.0000	51.497
75 4-Chlorotoluene	====	126	9.218	9.218 (0.931)		769147	50.0000	53.013
76 tert-Butylbenzene	====	119	9.514	9.514 (0.961)		1738740	50.0000	47.029
77 1,2,4-Trimethylbenzene	====	105	9.561	9.561 (0.965)		2501726	50.0000	51.352
78 sec-Butylbenzene	====	105	9.727	9.727 (0.982)		2367748	50.0000	47.314
79 4-Isopropyltoluene	====	119	9.869	9.869 (0.996)		1953960	50.0000	46.930
80 1,3-Dichlorobenzene	====	146	9.845	9.845 (0.994)		1347381	50.0000	49.615
81 1,4-Dichlorobenzene	====	146	9.928	9.928 (1.002)		1400486	50.0000	49.292
82 n-Butylbenzene	====	91	10.271	10.271 (1.037)		1542208	50.0000	41.464
83 1,2-Dichlorobenzene	====	146	10.295	10.295 (1.039)		1288068	50.0000	48.157
84 1,2-Dibromo-3-chloropropane	====	157	11.052	11.052 (1.116)		99950	50.0000	39.715
85 1,2,4-Trichlorobenzene	====	180	11.892	11.892 (1.201)		306404	50.0000	26.907
86 Hexachlorobutadiene	====	225	12.070	12.070 (1.219)		166954	50.0000	32.212
87 Naphthalene	====	128	12.129	12.129 (1.225)		611000	50.0000	22.734
88 1,2,3-Trichlorobenzene	====	180	12.377	12.377 (1.250)		211781	50.0000	25.935
98 Cyclohexane	====	56	4.579	4.579 (0.908)		899000	50.0000	51.480
143 Methyl Acetate	====	43	3.006	3.006 (0.596)		1051666	100.000	107.70
144 Methylcyclohexane	====	83	5.526	5.526 (1.096)		647873	50.0000	44.210
141 1,3,5-Trichlorobenzene	====	180	11.277	11.277 (1.139)		531007	50.0000	35.326

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\A3UX11.I\J41005A.B\8260LLUX11.M
Report Date: 05-Oct-2004 09:03

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 05-OCT-2004 08:34
Lab File ID: UXJ24392.D Init. Cal. Date(s): 16-AUG-2004 14-SEP-2004
Analysis Type: WATER Init. Cal. Times: 16:18 15:41
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\A3UX11.I\J41005A.B\8260LLUX11.M

COMPOUND	—	—	MIN	MAX	
	RRF	RF50	RRF	%D	%D
14 Dichlorofluoromethane	0.48495	0.56670|0.010|	16.9	50.0	
89 Ethyl Ether	0.24654	0.24185|0.010|	-1.9	50.0	
91 3-Chloropropene	0.10305	0.13143|0.010|	27.5	50.0	
92 Isopropyl Ether	0.22353	0.22331|0.010|	-0.1	50.0	
93 2-Chloro-1,3-butadiene	0.37276	0.35972|0.010|	-3.5	50.0	
94 Propionitrile	0.04231	0.03516|0.010|	-16.9	50.0	
95 Ethyl Acetate	0.24508	0.23196|0.010|	-5.4	50.0	
96 Methacrylonitrile	0.15890	0.14971|0.010|	-5.8	50.0	
97 Isobutanol	0.01142	0.00927|0.010|	-18.8	50.0|<-	
99 n-Butanol	0.00822	0.00618|0.010|	-24.7	50.0|<-	
100 Methyl Methacrylate	0.19531	0.18768|0.010|	-3.9	50.0	
101 2-Nitropropane	0.06079	0.05113|0.010|	-15.9	50.0	
103 Cyclohexanone	0.02717	0.02160|0.010|	-20.5	50.0	

Data File: \\QCANOH04\\dd\\chem\\MSV\\a3ux11.i
Report Date: 10/05/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

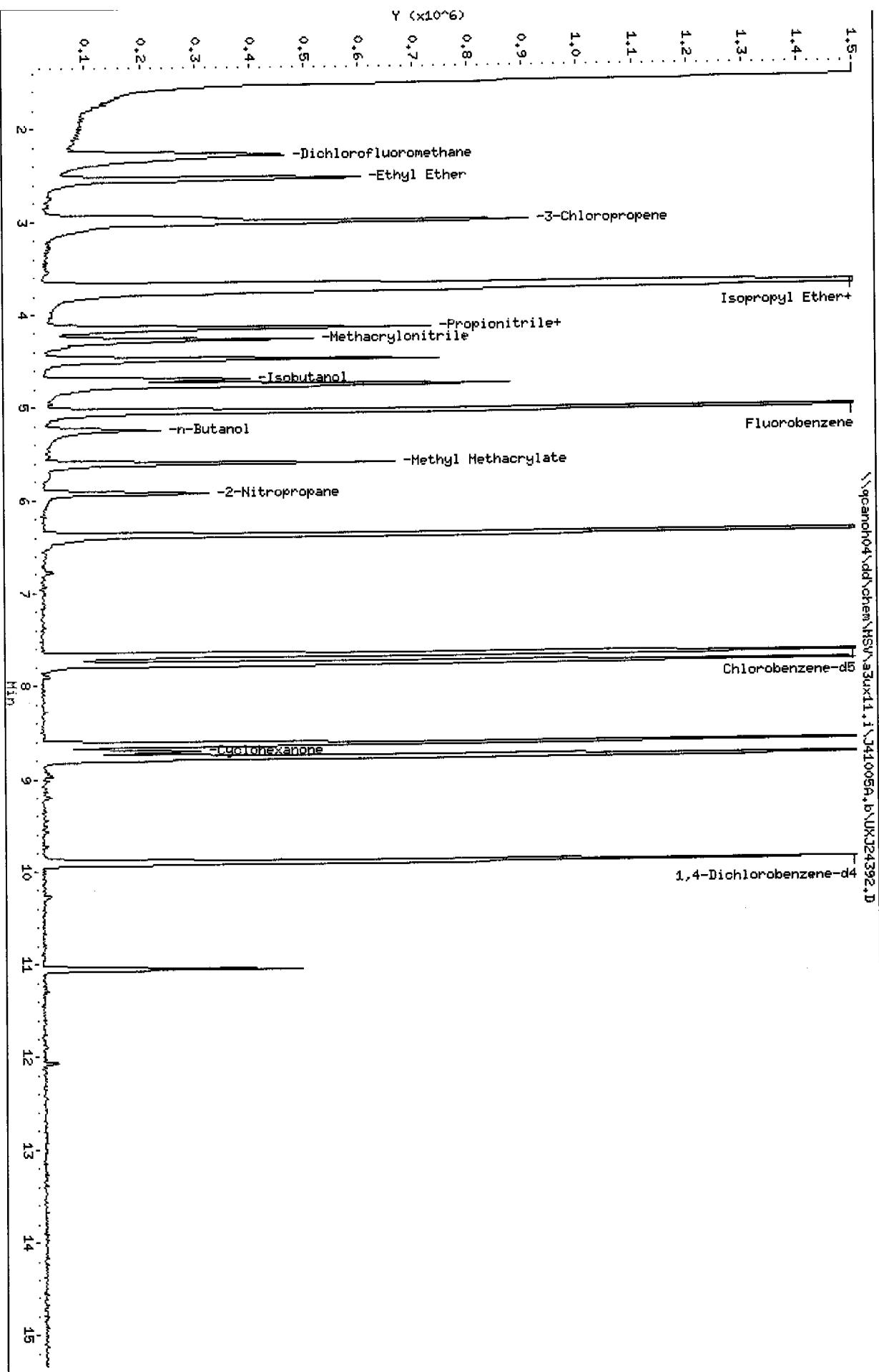
Instrument ID: a3ux11.i
Lab File ID: UXJ24392.D
Analysis Type: WATER

Injection Date: 05-OCT-2004 08:34
Lab Sample ID: 50NG-A9CC
Method File: \\QCANOH04\\dd\\chem\\MSV\\a3ux11.i\\J41005A

COMPOUND	EXPECTED	MEASURED	%D	MAX
	CONC.	CONC.		
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
53 3-Chloropropene	50.0000	63.7691	27.5	50.0
54 2-Chloro-1,3-butadiene	50.0000	48.2519	3.5	50.0
55 Propionitrile	100.0000	83.1051	16.9	50.0
56 Methacrylonitrile	50.0000	47.1105	5.8	50.0
57 Isobutanol	1000.0000	812.0269	18.8	50.0
58 Methyl Methacrylate	50.0000	48.0461	3.9	50.0
73 n-Butanol	1000.0000	752.5885	24.7	50.0
74 Ethyl Acetate	100.0000	94.6471	5.4	50.0
75 Cyclohexanone	500.0000	397.3806	20.5	50.0
76 Ethyl Ether	50.0000	49.0477	1.9	50.0
85 Dichlorofluoromethane	50.0000	58.4287	16.9	50.0
86 2-Nitropropane	100.0000	84.1102	15.9	50.0
126 Isopropyl Ether	250.0000	249.7516	0.1	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0

Data File: \\pcanoh04\\dd\\chem\\HSV\\a3ux11.i\\J41005A.b\\UXJ24392.D
Date : 05-OCT-2004 08:34
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
\\pcanoh04\\dd\\chem\\HSV\\a3ux11.i\\J41005A.b\\UXJ24392.D



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24392.D
Report Date: 05-Oct-2004 09:04

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24392.D
Lab Smp Id: 50NG-A9CC
Inj Date : 05-OCT-2004 08:34
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9CC
Misc Info : J41005A,8260LLUX11,3-IX.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 05-Oct-2004 09:04 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL ( ng)
* 1 Fluorobenzene	96	5.041	5.041 (1.000)	2178906	50.0000		
* 2 Chlorobenzene-d5	117	7.680	7.680 (1.000)	1618260	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	700019	50.0000		
14 Dichlorofluoromethane	67	2.272	2.272 (0.451)	1234782	50.0000	58.429	
89 Ethyl Ether	59	2.532	2.532 (0.502)	526963	50.0000	49.048	
91 3-Chloropropene	76	3.006	3.006 (0.596)	286370	50.0000	63.769	
92 Isopropyl Ether	87	3.704	3.704 (0.735)	2432852	250.000	249.75 (A)	
93 2-Chloro-1,3-butadiene	53	3.727	3.727 (0.739)	783806	50.0000	48.252	
94 Propionitrile	54	4.142	4.142 (0.822)	153222	100.000	83.105	
95 Ethyl Acetate	43	4.142	4.142 (0.822)	1010854	100.000	94.647	
96 Methacrylonitrile	41	4.272	4.272 (0.847)	326213	50.0000	47.110	
97 Isobutanol	41	4.698	4.698 (0.612)	300088	1000.00	812.03 (A)	
99 n-Butanol	56	5.242	5.242 (0.683)	200175	1000.00	752.59 (A)	
100 Methyl Methacrylate	41	5.597	5.597 (1.110)	408927	50.0000	48.046	
101 2-Nitropropane	41	5.928	5.928 (1.176)	222835	100.000	84.110 (H)	
103 Cyclohexanone	55	8.709	8.709 (0.879)	151174	500.000	397.38 (A)	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.D\UXUZ4592.D
Report Date: 05-Oct-2004 09:04

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
H - Operator selected an alternate compound hit.

RAW QC DATA

Date : 16-AUG-2004 13:09

Client ID: 50NG BFB

Instrument: z3ux11.i

Sample Info:

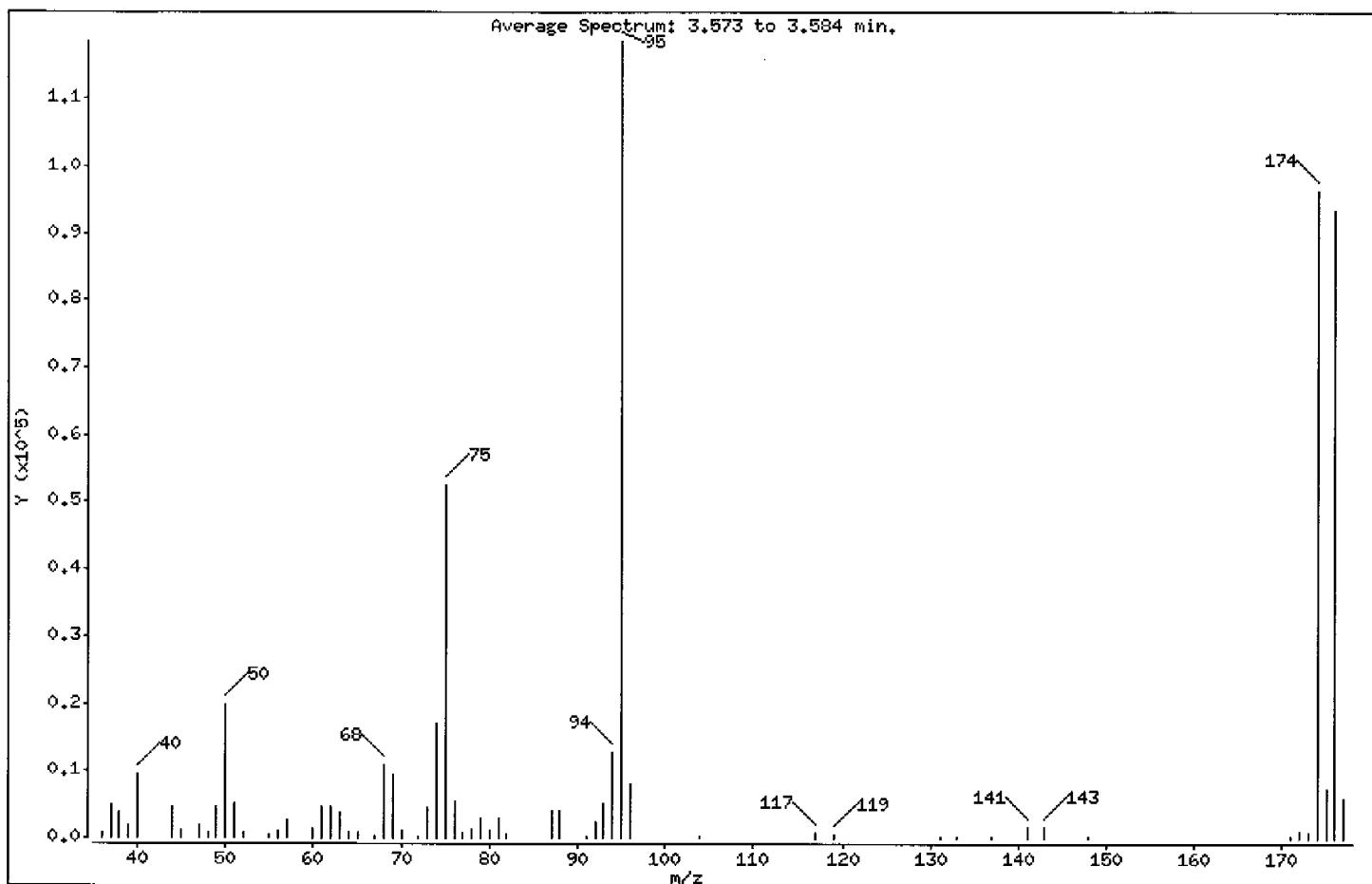
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 kfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
95	Base Peak, 100% relative abundance	100.00	
50	15.00 - 40.00% of mass 95	16.76	
75	30.00 - 60.00% of mass 95	44.47	
96	5.00 - 9.00% of mass 95	6.93	
173	Less than 2.00% of mass 174	0.68 (< 0.84)	
174	50.00 - 100.00% of mass 95	81.27	
176	5.00 - 9.00% of mass 174	6.13 (< 7.55)	
176	95.00 - 101.00% of mass 174	78.91 (< 97.09)	
177	5.00 - 9.00% of mass 176	5.04 (< 6.39)	

Date : 16-AUG-2004 13:09

Client ID: 50NG BFB

Instrument: z3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB207.D

Spectrum: Average Spectrum; 3.573 to 3.584 min.

Location of Maximum: 95.00

Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	749	60.00	1376	78.00	1307	131.00	285
37.00	4867	61.00	4538	79.00	3095	133.00	271
38.00	3795	62.00	4718	80.00	1085	137.00	323
39.00	1854	63.00	3709	81.00	3055	141.00	1521
40.00	9546	64.00	700	82.00	515	143.00	1655
44.00	4571	65.00	821	87.00	4063	148.00	297
45.00	1190	67.00	254	88.00	4069	171.00	316
47.00	2040	68.00	10867	91.00	257	172.00	1062
48.00	737	69.00	9493	92.00	2338	173.00	806
49.00	4592	70.00	1139	93.00	5215	174.00	96288
50.00	19856	72.00	389	94.00	12726	175.00	7267
51.00	5302	73.00	4639	95.00	118480	176.00	93488
52.00	840	74.00	17288	96.00	8207	177.00	5974
55.00	613	75.00	52680	104.00	355		
56.00	1116	76.00	5372	117.00	715		
57.00	2804	77.00	828	119.00	414		

Client ID: 5ONG BEB

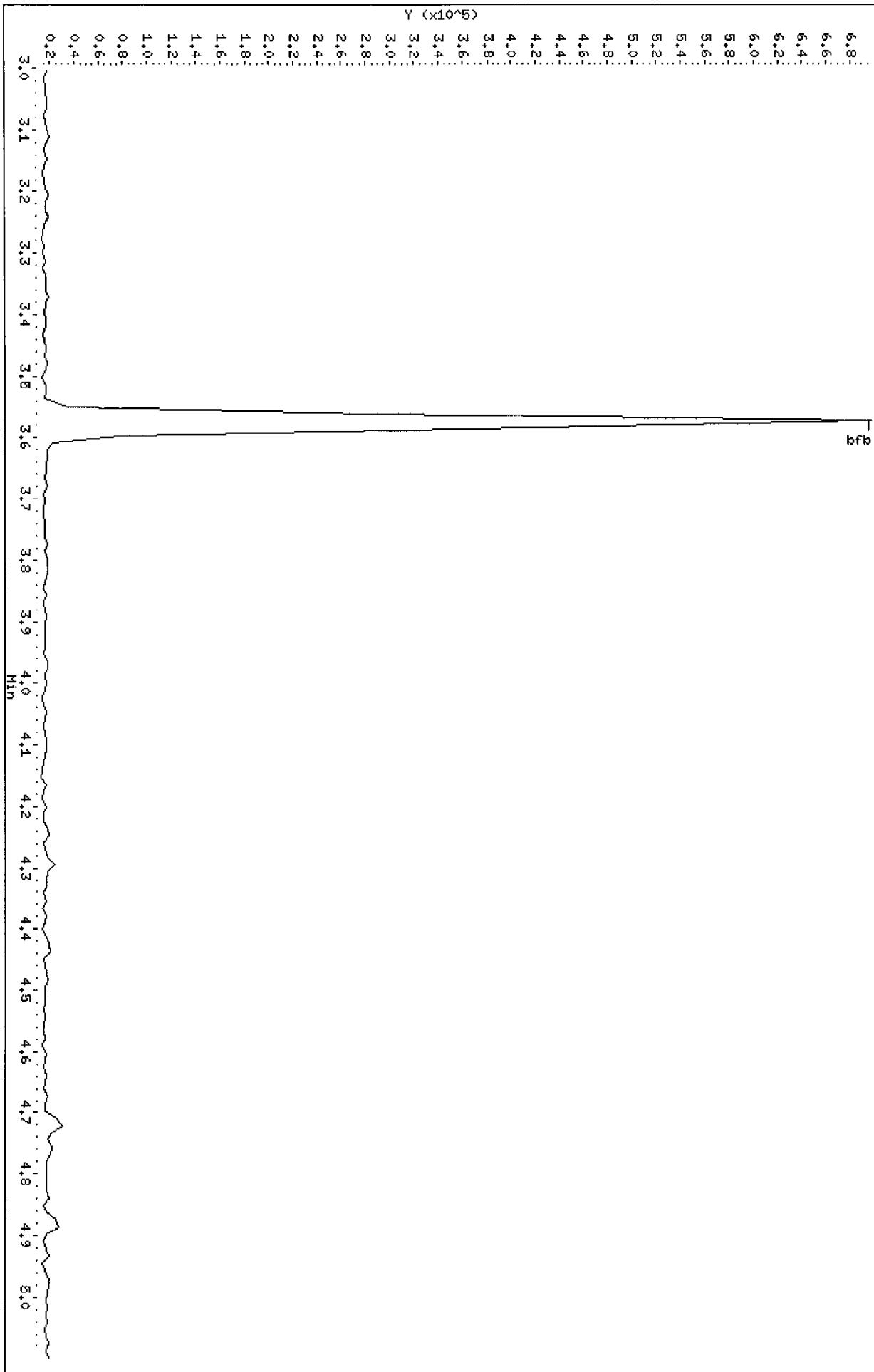
Instrument: a3ux11.i

Sample Info:
Volume Injected (uL): 1.0

Column phase: DB624 20M

\\qcanoh04\\dd\\chem\\MSV\\a3ux11.i\\J40816A-IC.b\\BFB207.D

Operator: 43582
Column diameter: 0.18



Data File: \\qcanch04\dd\chem\MSV\z3ux11.i\J40914B-1C.b\BFB232.D

Date : 14-SEP-2004 13:21

Client ID: 50NG BFB

Instrument: z3ux11.i

Sample Info: BFB232

Volume Injected (uL): 1.0

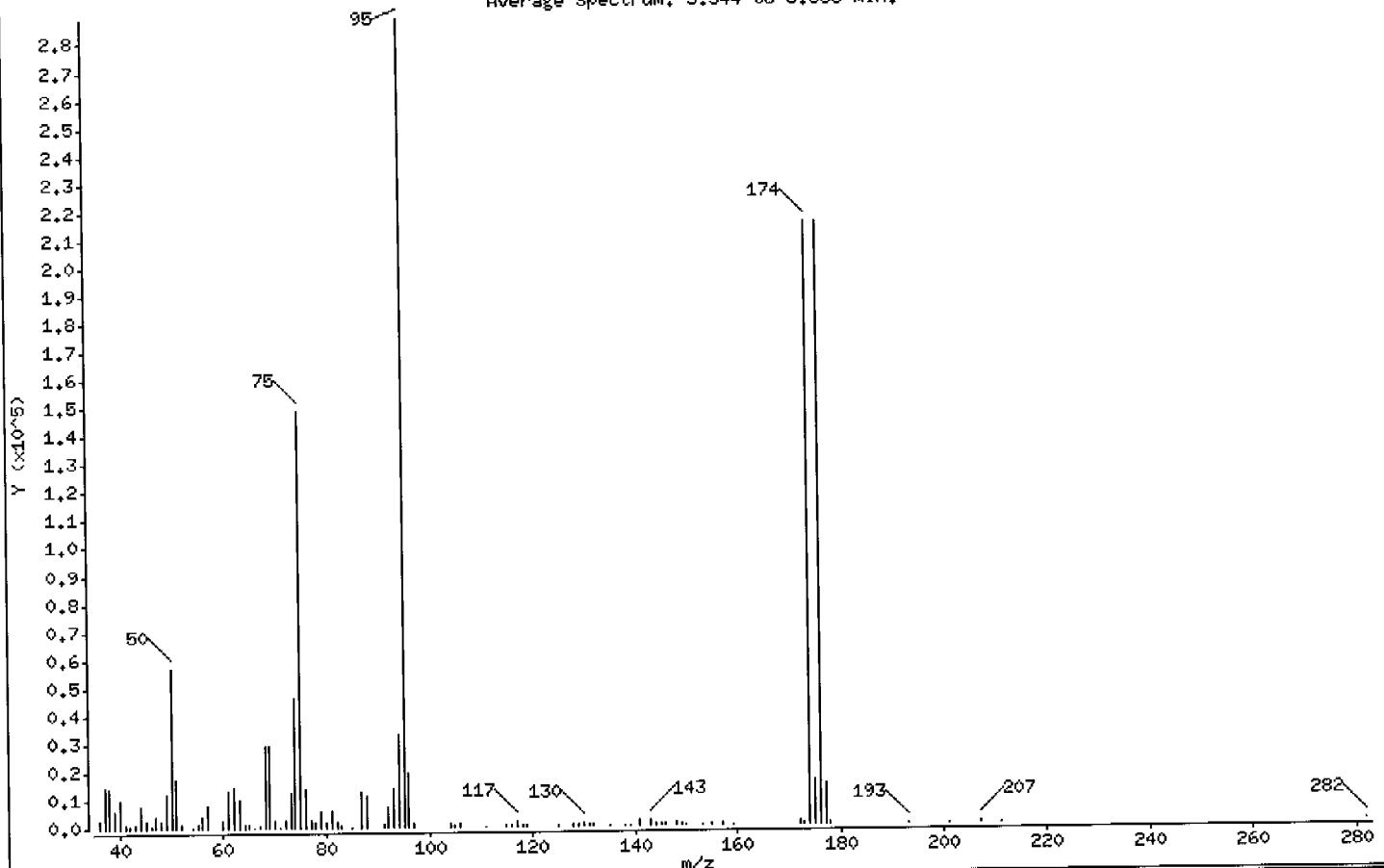
Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 kfb

Average Spectrum: 3.544 to 3.555 min.



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
95	Base Peak, 100% relative abundance	100.00	
50	15.00 - 40.00% of mass 95	19.83	
75	30.00 - 60.00% of mass 95	51.55	
96	5.00 - 9.00% of mass 95	6.64	
173	Less than 2.00% of mass 174	0.21 (< 0.28)	
174	50.00 - 100.00% of mass 95	74.58	
175	5.00 - 9.00% of mass 174	5.61 (< 7.52)	
176	95.00 - 101.00% of mass 174	74.49 (< 99.87)	
177	5.00 - 9.00% of mass 176	5.17 (< 6.94)	

Date : 14-SEP-2004 13:21

Client ID: 5ONG BFB

Instrument: z3ux11.i

Sample Info: BFB232

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB232.D

Spectrum: Average Spectrum: 3.544 to 3.555 min.

Location of Maximum: 95.00

Number of points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
| 36.00	2406 |	64.00	1324 |	93.00	13655 |	144.00	401 |
| 37.00	14778 |	65.00	1522 |	94.00	33528 |	145.00	409 |
| 38.00	13742 |	66.00	263 |	95.00	288960 |	146.00	877 |
| 39.00	5795 |	67.00	910 |	96.00	19192 |	148.00	1075 |
| 40.00	10147 |	68.00	29456 |	97.00	1451 |	149.00	479 |
| 41.00	1576 |	69.00	29344 |	104.00	1533 |	150.00	313 |
| 42.00	737 |	70.00	2634 |	105.00	833 |	153.00	287 |
| 43.00	1309 |	71.00	324 |	106.00	1128 |	155.00	668 |
| 44.00	8117 |	72.00	2356 |	111.00	260 |	157.00	711 |
| 45.00	2441 |	73.00	12818 |	115.00	375 |	159.00	271 |
| 46.00	749 |	74.00	46784 |	116.00	766 |	172.00	1628 |
| 47.00	3975 |	75.00	148928 |	117.00	1678 |	173.00	603 |
| 48.00	2388 |	76.00	13979 |	118.00	426 |	174.00	215488 |
| 49.00	12238 |	77.00	2377 |	119.00	915 |	175.00	16212 |
| 50.00	57288 |	78.00	2058 |	125.00	649 |	176.00	215232 |
| 51.00	17136 |	79.00	5934 |	128.00	783 |	177.00	14940 |
| 52.00	1094 |	80.00	2304 |	129.00	689 |	178.00	355 |
| 54.00	314 |	81.00	6191 |	130.00	1263 |	193.00	286 |
| 55.00	1279 |	82.00	1726 |	131.00	957 |	201.00	259 |
| 56.00	4132 |	83.00	677 |	132.00	360 |	207.00	652 |
| 57.00	7889 |	85.00	327 |	135.00	330 |	211.00	272 |
| 60.00	2651 |	87.00	12709 |	138.00	255 |	282.00	251 |
| 61.00	13040 |	88.00	11543 |	139.00	322 |		
| 62.00	14627 |	91.00	1380 |	141.00	2064 |		
| 63.00	10230 |	92.00	7594 |	143.00	2214 |		

Data File: \\pcanoh04\dd\chem\MSV\30x11.i\J40914B-IC.b\BFB232.D

Date : 14-SEP-2004 13:21

Client ID: SONG-BFB

Sample Info: BFB232

Volume Injected (µL) : 1.0

Column phase: DB624 20M

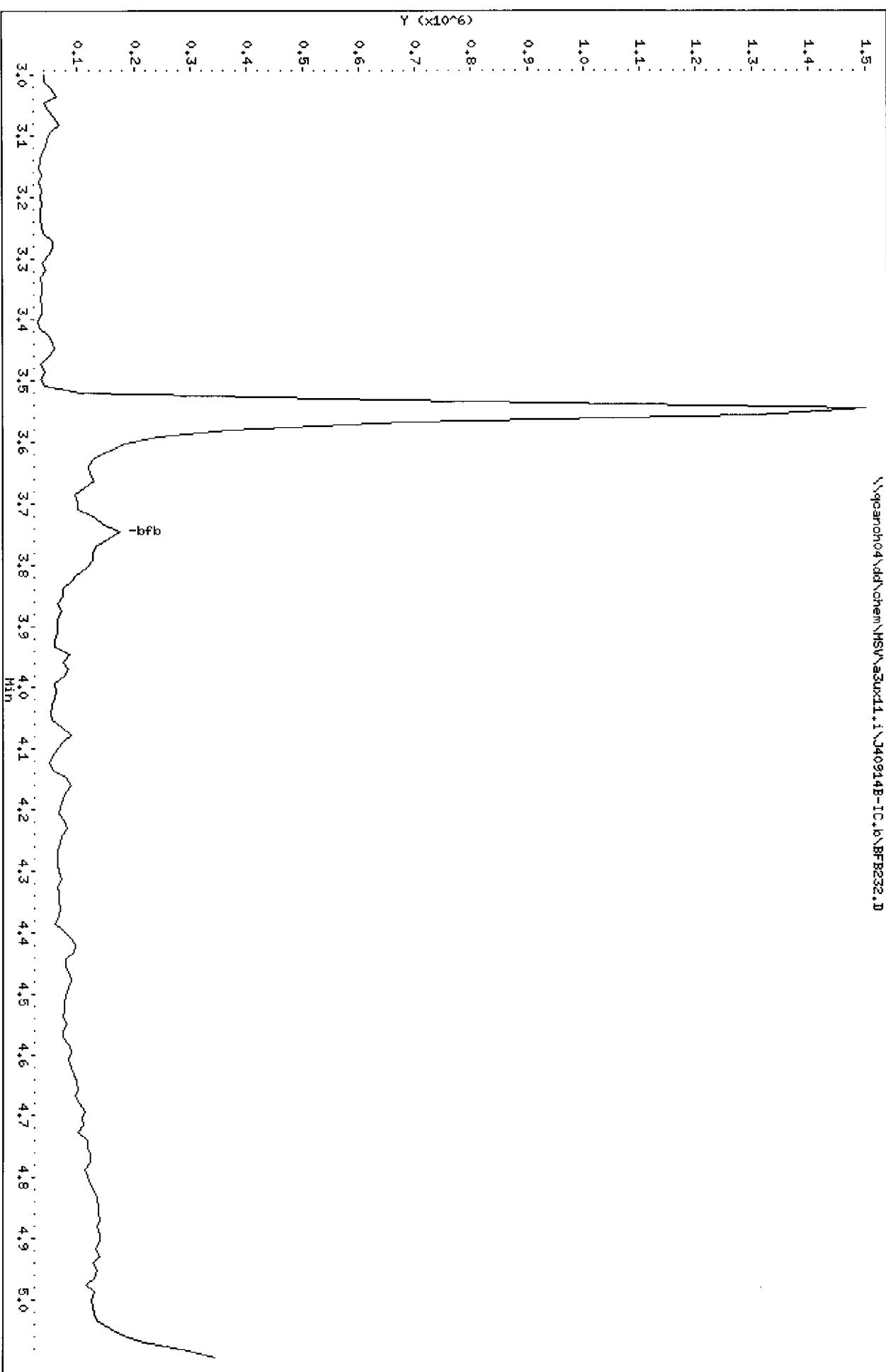
Page 2

Instrument: a30x11.i

Operator: 43582

Column diameter: 0.18

\\pcanoh04\dd\chem\MSV\30x11.i\J40914B-IC.b\BFB232.D



Date : 05-OCT-2004 07:49

Client ID: SONG BFB

Instrument: z3ux11.i

Sample Info:

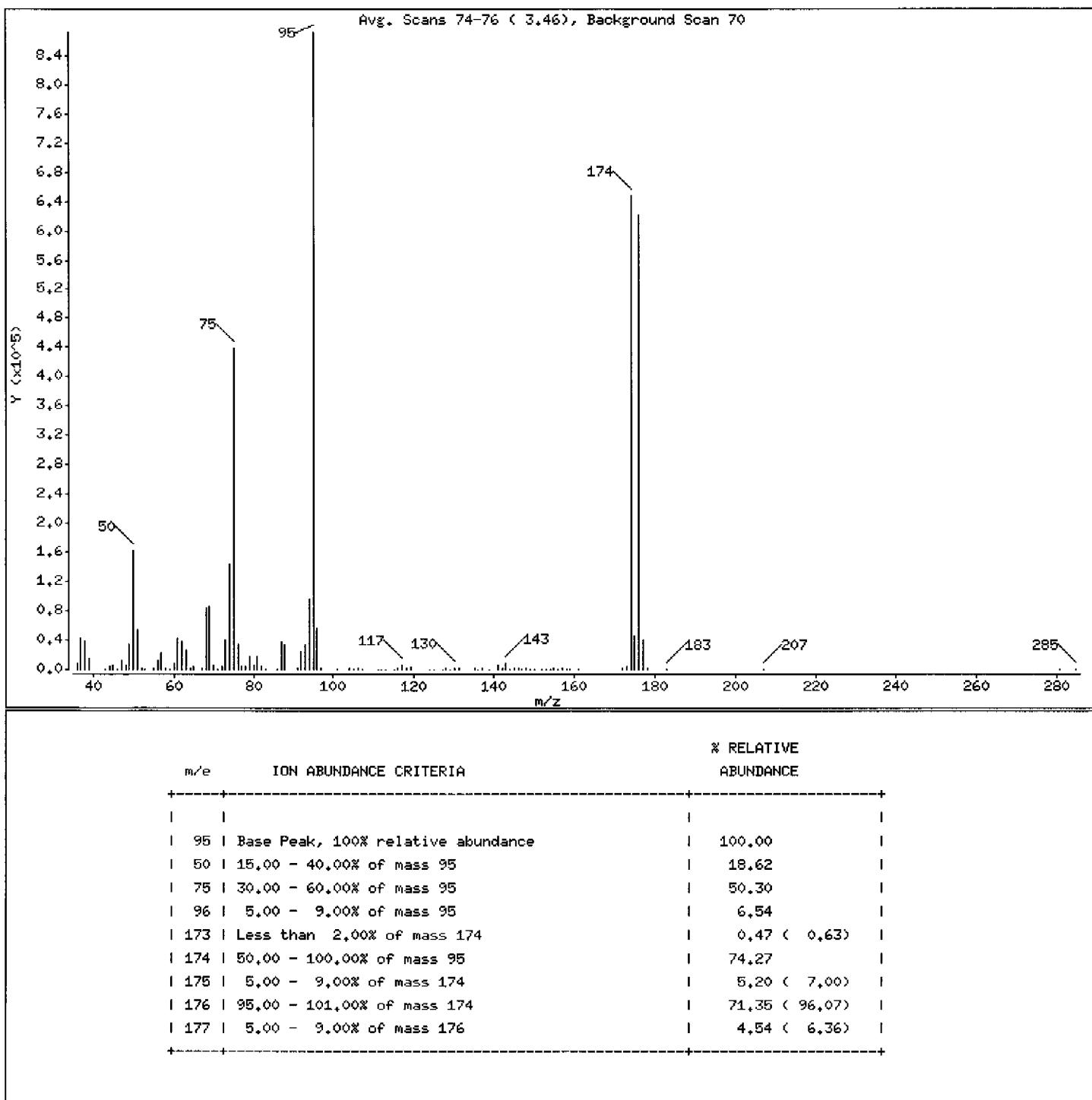
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



Date : 05-OCT-2004 07:49

Client ID: 5ONG BFB

Instrument: A3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB250.D

Spectrum: Avg. Scans 74-76 (3.46), Background Scan 70

Location of Maximum: 95.00

Number of points: 107

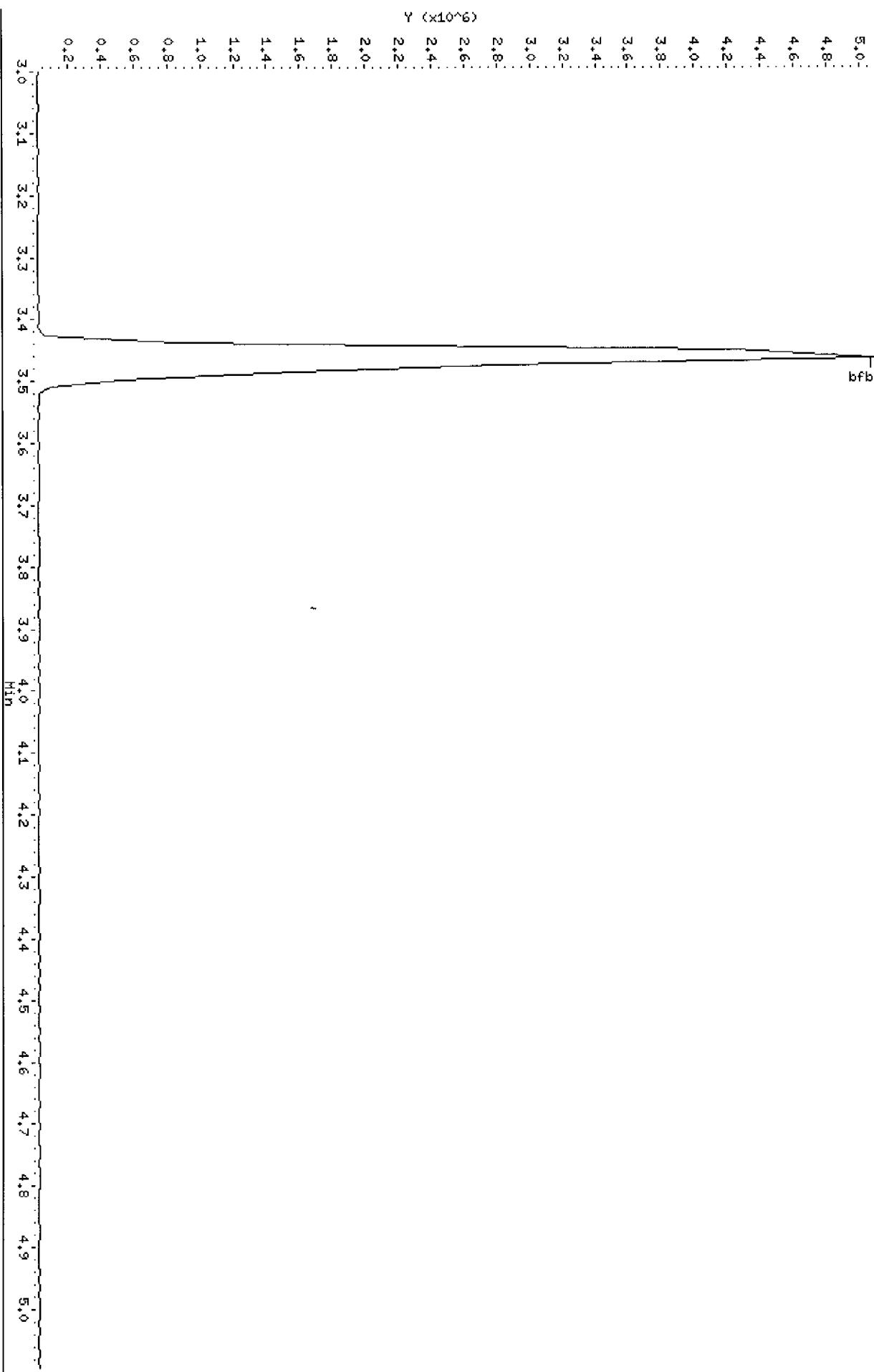
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	7346	68.00	85072	104.00	2704	145.00	1067
37.00	41400	69.00	85616	105.00	881	146.00	1528
38.00	38280	70.00	5583	106.00	2526	147.00	520
39.00	14899	71.00	178	107.00	556	148.00	1800
43.00	597	72.00	4551	111.00	728	149.00	271
44.00	4305	73.00	39208	112.00	746	150.00	771
45.00	6988	74.00	144192	113.00	723	152.00	812
46.00	315	75.00	438464	115.00	876	153.00	602
47.00	11453	76.00	34928	116.00	2614	154.00	317
48.00	5859	77.00	4654	117.00	5538	155.00	2186
49.00	34576	78.00	3437	118.00	2843	156.00	586
50.00	162240	79.00	17224	119.00	4144	157.00	1195
51.00	54520	80.00	5798	124.00	616	158.00	197
52.00	2476	81.00	18400	125.00	193	159.00	961
53.00	250	82.00	3638	127.00	197	161.00	527
55.00	2063	83.00	721	128.00	2466	172.00	2760
56.00	11740	86.00	687	129.00	984	173.00	4080
57.00	22808	87.00	38824	130.00	2824	174.00	647360
58.00	1134	88.00	35032	131.00	1184	175.00	45344
59.00	179	91.00	2473	135.00	1451	176.00	621888
60.00	7606	92.00	23200	136.00	335	177.00	39560
61.00	41552	93.00	34944	137.00	1656	178.00	1382
62.00	37736	94.00	96512	139.00	755	183.00	190
63.00	26792	95.00	871616	141.00	6373	207.00	91
64.00	2839	96.00	57024	142.00	1124	281.00	203
65.00	3034	97.00	1848	143.00	8233	285.00	279
67.00	1908	101.00	169	144.00	528		

Data File: \\qcanh04\\chem\\HSU\\a3ux11.i\\J41005A.b\\BFP250.D
Date : 05-OCT-2004 07:49

Client ID: 5ONG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

\\qcanh04\\chem\\HSU\\a3ux11.i\\J41005A.b\\BFP250.D

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: 4I29236 **Work Order #....:** GRT2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4J050000-319 **GRT2J1AD-LCSD**
Prep Date.....: 10/05/04 **Analysis Date...:** 10/05/04
Prep Batch #....: 4279319
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY		RPD	METHOD
		LIMITS	RPD		
Acetone	79	(22 - 200)			SW846 8260B
	83	(22 - 200)	4.9	(0-95)	SW846 8260B
Benzene	95	(80 - 116)			SW846 8260B
	95	(80 - 116)	0.52	(0-20)	SW846 8260B
Bromodichloromethane	91	(87 - 130)			SW846 8260B
	93	(87 - 130)	2.8	(0-30)	SW846 8260B
Bromoform	100	(76 - 150)			SW846 8260B
	102	(76 - 150)	2.6	(0-30)	SW846 8260B
Bromomethane	66	(64 - 129)			SW846 8260B
	76	(64 - 129)	14	(0-30)	SW846 8260B
2-Butanone	74	(28 - 237)			SW846 8260B
	80	(28 - 237)	8.1	(0-65)	SW846 8260B
Carbon disulfide	104	(73 - 139)			SW846 8260B
	111	(73 - 139)	5.9	(0-30)	SW846 8260B
Carbon tetrachloride	87	(75 - 149)			SW846 8260B
	86	(75 - 149)	0.26	(0-30)	SW846 8260B
Chlorobenzene	101	(76 - 117)			SW846 8260B
	99	(76 - 117)	1.4	(0-20)	SW846 8260B
Dichlorodifluoromethane	90	(70 - 130)			SW846 8260B
	94	(70 - 130)	4.4	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	115	(70 - 130)			SW846 8260B
	125	(70 - 130)	7.8	(0-30)	SW846 8260B
Methyl acetate	93	(70 - 130)			SW846 8260B
	97	(70 - 130)	4.7	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	80	(70 - 130)			SW846 8260B
	85	(70 - 130)	5.7	(0-30)	SW846 8260B
Cyclohexane	92	(70 - 130)			SW846 8260B
	93	(70 - 130)	1.0	(0-30)	SW846 8260B
Methylcyclohexane	82	(70 - 130)			SW846 8260B
	87	(70 - 130)	5.9	(0-30)	SW846 8260B
Dibromochloromethane	96	(81 - 138)			SW846 8260B
	100	(81 - 138)	3.5	(0-30)	SW846 8260B
Isopropylbenzene	105	(70 - 130)			SW846 8260B
	105	(70 - 130)	0.14	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: 4I29236 **Work Order #....:** GRT2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4J050000-319 **GRT2J1AD-LCSD**

PARAMETER	PERCENT RECOVERY	RECOVERY		RPD LIMITS	METHOD
		LIMITS	RPD		
1,3-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	95	(70 - 130)	0.34	(0-30)	SW846 8260B
Chloroethane	101	(66 - 126)			SW846 8260B
	106	(66 - 126)	5.3	(0-30)	SW846 8260B
1,4-Dichlorobenzene	102	(70 - 130)			SW846 8260B
	102	(70 - 130)	0.64	(0-30)	SW846 8260B
1,2-Dichlorobenzene	93	(70 - 130)			SW846 8260B
	96	(70 - 130)	3.9	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	36 a	(70 - 130)			SW846 8260B
	50 a,p	(70 - 130)	34	(0-30)	SW846 8260B
Chloroform	91	(84 - 128)			SW846 8260B
	91	(84 - 128)	0.47	(0-30)	SW846 8260B
Chloromethane	85	(48 - 123)			SW846 8260B
	88	(48 - 123)	2.8	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	70	(70 - 130)			SW846 8260B
	85	(70 - 130)	19	(0-30)	SW846 8260B
1,2-Dibromoethane	101	(70 - 130)			SW846 8260B
	101	(70 - 130)	0.48	(0-30)	SW846 8260B
1,1-Dichloroethane	97	(86 - 123)			SW846 8260B
	95	(86 - 123)	2.0	(0-30)	SW846 8260B
1,2-Dichloroethane	92	(79 - 136)			SW846 8260B
	94	(79 - 136)	2.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	91	(85 - 113)			SW846 8260B
	91	(85 - 113)	0.080	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	95	(79 - 120)			SW846 8260B
	96	(79 - 120)	2.0	(0-30)	SW846 8260B
1,1-Dichloroethene	102	(63 - 130)			SW846 8260B
	104	(63 - 130)	2.3	(0-20)	SW846 8260B
1,2-Dichloroethene (total)	93	(82 - 116)			SW846 8260B
	94	(82 - 116)	1.1	(0-30)	SW846 8260B
1,2-Dichloropropane	94	(82 - 115)			SW846 8260B
	96	(82 - 115)	1.8	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	86	(84 - 130)			SW846 8260B
	86	(84 - 130)	0.88	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	84	(84 - 130)			SW846 8260B
	86	(84 - 130)	2.7	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: 4I29236 **Work Order #....:** GRT2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4J050000-319 **GRT2J1AD-LCSD**

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>
Ethylbenzene	94	(86 - 116)			SW846 8260B
	95	(86 - 116)	1.2	(0-30)	SW846 8260B
2-Hexanone	80	(35 - 200)			SW846 8260B
	87	(35 - 200)	8.1	(0-52)	SW846 8260B
Methylene chloride	97	(78 - 118)			SW846 8260B
	100	(78 - 118)	3.5	(0-30)	SW846 8260B
4-Methyl-2-pentanone	86	(78 - 141)			SW846 8260B
	89	(78 - 141)	4.2	(0-32)	SW846 8260B
Styrene	104	(85 - 117)			SW846 8260B
	103	(85 - 117)	1.5	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	111	(85 - 118)			SW846 8260B
	117	(85 - 118)	4.6	(0-30)	SW846 8260B
Tetrachloroethene	94	(88 - 113)			SW846 8260B
	97	(88 - 113)	2.8	(0-30)	SW846 8260B
Toluene	95	(74 - 119)			SW846 8260B
	99	(74 - 119)	4.2	(0-20)	SW846 8260B
1,1,1-Trichloroethane	78	(78 - 140)			SW846 8260B
	77 a	(78 - 140)	1.8	(0-30)	SW846 8260B
1,1,2-Trichloroethane	100	(83 - 122)			SW846 8260B
	103	(83 - 122)	3.8	(0-30)	SW846 8260B
Trichloroethene	92	(75 - 122)			SW846 8260B
	90	(75 - 122)	2.2	(0-20)	SW846 8260B
Trichlorofluoromethane	74	(70 - 130)			SW846 8260B
	82	(70 - 130)	9.7	(0-30)	SW846 8260B
Vinyl chloride	85	(61 - 120)			SW846 8260B
	90	(61 - 120)	5.2	(0-30)	SW846 8260B
Xylenes (total)	102	(87 - 116)			SW846 8260B
	101	(87 - 116)	0.62	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	98	(61 - 128)
Toluene-d8	101	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	115	(74 - 116)
	113	(74 - 116)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 4I29236 **Work Order #....:** GRT2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4J050000-319 **GRT2J1AD-LCSD**
Prep Date.....: 10/05/04 **Analysis Date...:** 10/05/04
Prep Batch #....: 4279319
Dilution Factor: 1 **Final Wgt/vol...:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE	MEASURED		PERCENT	RPD	METHOD
	AMOUNT	AMOUNT	UNITS	RECOVERY		
Acetone	10	7.9	ug/L	79		SW846 8260B
Benzene	10	8.3	ug/L	83	4.9	SW846 8260B
	10	9.5	ug/L	95		SW846 8260B
Bromodichloromethane	10	9.5	ug/L	95	0.52	SW846 8260B
Bromoform	10	9.1	ug/L	91		SW846 8260B
	10	9.3	ug/L	93	2.8	SW846 8260B
Bromomethane	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	102	2.6	SW846 8260B
2-Butanone	10	6.6	ug/L	66		SW846 8260B
	10	7.6	ug/L	76	14	SW846 8260B
Carbon disulfide	10	7.4	ug/L	74		SW846 8260B
	10	8.0	ug/L	80	8.1	SW846 8260B
Carbon tetrachloride	10	10	ug/L	104		SW846 8260B
	10	11	ug/L	111	5.9	SW846 8260B
Chlorobenzene	10	8.7	ug/L	87		SW846 8260B
	10	8.6	ug/L	86	0.26	SW846 8260B
Dichlorodifluoromethane	10	10	ug/L	101		SW846 8260B
	10	9.9	ug/L	99	1.4	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	10	9.0	ug/L	90		SW846 8260B
	10	9.4	ug/L	94	4.4	SW846 8260B
Methyl acetate	10	12	ug/L	115		SW846 8260B
	10	12	ug/L	125	7.8	SW846 8260B
Methyl tert-butyl ether (MTBE)	10	9.3	ug/L	93		SW846 8260B
	10	9.7	ug/L	97	4.7	SW846 8260B
Cyclohexane	10	8.0	ug/L	80		SW846 8260B
	10	8.5	ug/L	85	5.7	SW846 8260B
Methylcyclohexane	10	9.2	ug/L	92		SW846 8260B
	10	9.3	ug/L	93	1.0	SW846 8260B
Dibromochloromethane	10	8.2	ug/L	82		SW846 8260B
	10	8.7	ug/L	87	5.9	SW846 8260B
Isopropylbenzene	10	9.6	ug/L	96		SW846 8260B
	10	10	ug/L	100	3.5	SW846 8260B
	10	11	ug/L	105		SW846 8260B
	10	11	ug/L	105	0.14	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 4I29236 **Work Order #....:** GRT2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4J050000-319 **GRT2J1AD-LCSD**

PARAMETER	SPIKE	MEASURED		PERCENT RECOVERY	RPD	METHOD
	AMOUNT	AMOUNT	UNITS			
1,3-Dichlorobenzene	10	9.5	ug/L	95		SW846 8260B
	10	9.5	ug/L	95	0.34	SW846 8260B
Chloroethane	10	10	ug/L	101		SW846 8260B
	10	11	ug/L	106	5.3	SW846 8260B
1,4-Dichlorobenzene	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	102	0.64	SW846 8260B
1,2-Dichlorobenzene	10	9.3	ug/L	93		SW846 8260B
	10	9.6	ug/L	96	3.9	SW846 8260B
1,2,4-Trichloro-benzene	10	3.6 a	ug/L	36		SW846 8260B
	10	5.0 a,p	ug/L	50	34	SW846 8260B
Chloroform	10	9.1	ug/L	91		SW846 8260B
	10	9.1	ug/L	91	0.47	SW846 8260B
Chloromethane	10	8.5	ug/L	85		SW846 8260B
	10	8.8	ug/L	88	2.8	SW846 8260B
1,2-Dibromo-3-chloropropane	10	7.0	ug/L	70		SW846 8260B
	10	8.5	ug/L	85	19	SW846 8260B
1,2-Dibromoethane	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	101	0.48	SW846 8260B
1,1-Dichloroethane	10	9.7	ug/L	97		SW846 8260B
	10	9.5	ug/L	95	2.0	SW846 8260B
1,2-Dichloroethane	10	9.2	ug/L	92		SW846 8260B
	10	9.4	ug/L	94	2.0	SW846 8260B
cis-1,2-Dichloroethene	10	9.1	ug/L	91		SW846 8260B
	10	9.1	ug/L	91	0.080	SW846 8260B
trans-1,2-Dichloroethene	10	9.5	ug/L	95		SW846 8260B
	10	9.6	ug/L	96	2.0	SW846 8260B
1,1-Dichloroethene	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	104	2.3	SW846 8260B
1,2-Dichloroethene (total)	20	19	ug/L	93		SW846 8260B
	20	19	ug/L	94	1.1	SW846 8260B
1,2-Dichloropropane	10	9.4	ug/L	94		SW846 8260B
	10	9.6	ug/L	96	1.8	SW846 8260B
cis-1,3-Dichloropropene	10	8.6	ug/L	86		SW846 8260B
	10	8.6	ug/L	86	0.88	SW846 8260B
trans-1,3-Dichloropropene	10	8.4	ug/L	84		SW846 8260B
	10	8.6	ug/L	86	2.7	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 4I29236 **Work Order #....:** GRT2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4J050000-319 **GRT2J1AD-LCSD**

PARAMETER	SPIKE	MEASURED		PERCENT	RPD	METHOD
	AMOUNT	AMOUNT	UNITS	RECOVERY		
Ethylbenzene	10	9.4	ug/L	94		SW846 8260B
	10	9.5	ug/L	95	1.2	SW846 8260B
2-Hexanone	10	8.0	ug/L	80		SW846 8260B
	10	8.7	ug/L	87	8.1	SW846 8260B
Methylene chloride	10	9.7	ug/L	97		SW846 8260B
	10	10	ug/L	100	3.5	SW846 8260B
4-Methyl-2-pentanone	10	8.6	ug/L	86		SW846 8260B
	10	8.9	ug/L	89	4.2	SW846 8260B
Styrene	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	103	1.5	SW846 8260B
1,1,2,2-Tetrachloroethane	10	11	ug/L	111		SW846 8260B
	10	12	ug/L	117	4.6	SW846 8260B
Tetrachloroethene	10	9.4	ug/L	94		SW846 8260B
	10	9.7	ug/L	97	2.8	SW846 8260B
Toluene	10	9.5	ug/L	95		SW846 8260B
	10	9.9	ug/L	99	4.2	SW846 8260B
1,1,1-Trichloroethane	10	7.8	ug/L	78		SW846 8260B
	10	7.7 a	ug/L	77	1.8	SW846 8260B
1,1,2-Trichloroethane	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	103	3.8	SW846 8260B
Trichloroethene	10	9.2	ug/L	92		SW846 8260B
	10	9.0	ug/L	90	2.2	SW846 8260B
Trichlorofluoromethane	10	7.4	ug/L	74		SW846 8260B
	10	8.2	ug/L	82	9.7	SW846 8260B
Vinyl chloride	10	8.5	ug/L	85		SW846 8260B
	10	9.0	ug/L	90	5.2	SW846 8260B
Xylenes (total)	30	31	ug/L	102		SW846 8260B
	30	30	ug/L	101	0.62	SW846 8260B

SURROGATE	PERCENT	RECOVERY	LIMITS
		RECOVERY	
Dibromofluoromethane	99	(73 - 122)	
	100	(73 - 122)	
1,2-Dichloroethane-d4	97	(61 - 128)	
	98	(61 - 128)	
Toluene-d8	101	(76 - 110)	
	102	(76 - 110)	
4-Bromofluorobenzene	115	(74 - 116)	
	113	(74 - 116)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

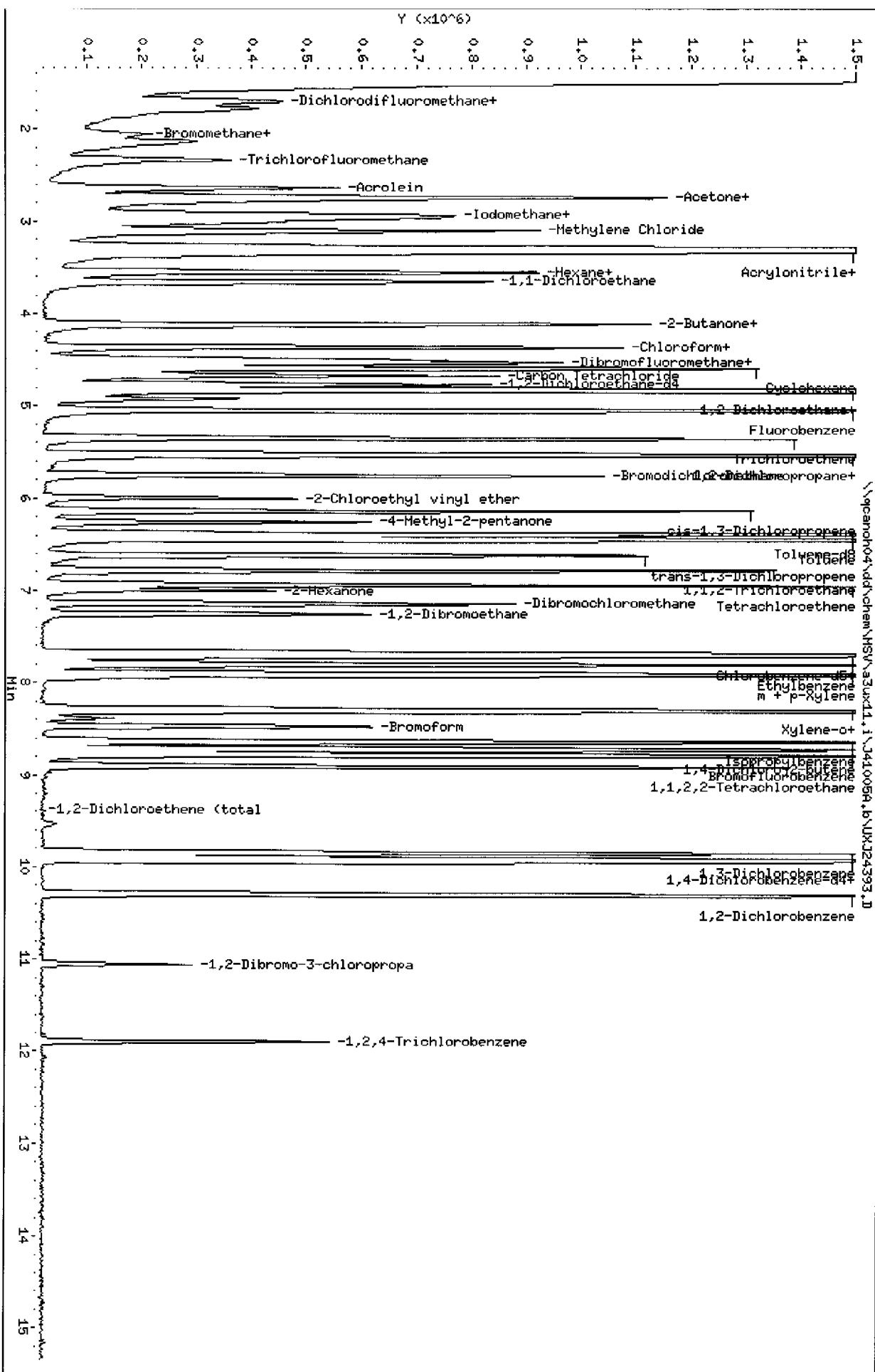
a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Client ID: CHECK
 Purge Volume: 5.0
 Column phase: DB624

GC RT & T / AC

Instrument: z3ux11.i
 Operator: 43582
 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24393.D
Report Date: 06-Oct-2004 10:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24393.D
Lab Smp Id: GRT2J1AC
Inj Date : 05-OCT-2004 08:57
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J41005A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
*	1 Fluorobenzene	96	5.041	5.041 (1.000)	2273904	50.0000		
*	2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1746967	50.0000		
*	3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	943654	50.0000		
\$	4 Dibromofluoromethane	113	4.485	4.485 (0.890)	524866	49.5763	9.915	
\$	5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	708638	48.6769	9.735	
\$	6 Toluene-d8	98	6.378	6.378 (0.831)	2123166	50.5888	10.118	
\$	7 Bromofluorobenzene	95	8.780	8.780 (1.143)	1021408	57.2785	11.456	
8	Dichlorodifluoromethane	85	1.550	1.550 (0.308)	537376	45.2035	9.041	
9	Chloromethane	50	1.692	1.704 (0.336)	905981	42.6837	8.537	
10	Vinyl Chloride	62	1.775	1.787 (0.352)	618716	42.6142	8.523	
11	Bromomethane	94	2.059	2.059 (0.409)	228381	33.1630	6.633	
12	Chloroethane	64	2.130	2.130 (0.423)	538305	50.4484	10.090	
13	Trichlorofluoromethane	101	2.331	2.331 (0.462)	562947	36.9924	7.398	
15	Acrolein	56	2.627	2.627 (0.521)	847943	596.977	119.40	
16	Acetone	43	2.745	2.745 (0.545)	217834	39.5052	7.901	
17	1,1-Dichloroethene	96	2.733	2.733 (0.542)	516370	50.7786	10.156	
18	Freon-113	151	2.745	2.745 (0.545)	368234	57.6261	11.525	

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
19 Iodomethane		142	2.887	2.852 (0.573)		37912	2.52234	0.5045
20 Carbon Disulfide		76	2.923	2.923 (0.580)		1978689	52.0907	10.418
21 Methylene Chloride		84	3.100	3.100 (0.615)		699632	48.4582	9.692
22 Acetonitrile		41	2.958	2.958 (0.587)		891902	660.883	132.18
23 Acrylonitrile		53	3.278	3.266 (0.650)		2272965	541.607	108.32
24 Methyl tert-butyl ether		73	3.325	3.313 (0.660)		1301425	39.9193	7.984
25 trans-1,2-Dichloroethene		96	3.325	3.325 (0.660)		570306	47.2756	9.455
26 Hexane		86	3.538	3.538 (0.702)		110935	56.5785	11.316
27 Vinyl acetate		43	3.538	3.668 (0.702)		350071	18.1350	3.627
28 1,1-Dichloroethane		63	3.645	3.645 (0.723)		1063083	48.3080	9.662
29 tert-Butyl Alcohol		59	3.006	3.159 (0.596)		34197	38.6648	7.733
30 2-Butanone		43	4.106	4.094 (0.815)		230232	36.9660	7.393
M 31 1,2-Dichloroethene (total)		96				1147247	92.7940	18.559
32 cis-1,2-dichloroethene		96	4.106	4.106 (0.815)		576941	45.5184	9.104
33 2,2-Dichloropropane		77		Compound Not Detected.				
34 Bromochloromethane		128		Compound Not Detected.				
35 Chloroform		83	4.355	4.355 (0.864)		1003681	45.3703	9.074
36 Tetrahydrofuran		42	4.355	4.331 (0.864)		9394	2.87977	0.5760
37 1,1,1-Trichloroethane		97	4.520	4.520 (0.897)		653171	39.0949	7.819
38 1,1-Dichloropropene		75		Compound Not Detected.				
39 Carbon Tetrachloride		117	4.662	4.662 (0.925)		568155	43.3100	8.662
40 1,2-Dichloroethane		62	4.816	4.816 (0.955)		832091	46.0353	9.207
41 Benzene		78	4.828	4.816 (0.958)		2479919	47.3697	9.474
42 Trichloroethene		130	5.348	5.349 (1.061)		550854	46.1037	9.221
43 1,2-Dichloropropane		63	5.526	5.526 (1.096)		606617	46.9723	9.394
44 1,4-Dioxane		88		Compound Not Detected.				
45 Dibromomethane		93		Compound Not Detected.				
46 Bromodichloromethane		83	5.751	5.751 (1.141)		770011	45.3253	9.065
47 2-Chloroethyl vinyl ether		63	5.999	5.988 (1.190)		243244	33.4979	6.700
48 cis-1,3-Dichloropropene		75	6.129	6.130 (1.216)		890987	42.8644	8.573
49 4-Methyl-2-pentanone		43	6.248	6.248 (1.239)		478422	42.8043	8.561
50 Toluene		91	6.437	6.437 (0.838)		2471379	47.3681	9.474
51 trans-1,3-Dichloropropene		75	6.615	6.603 (0.861)		782875	41.8511	8.370
52 Ethyl Methacrylate		69		Compound Not Detected.				
53 1,1,2-Trichloroethane		97	6.768	6.768 (0.881)		526749	49.7733	9.955
54 1,3-Dichloropropane		76		Compound Not Detected.				
55 Tetrachloroethene		164	6.934	6.934 (0.903)		398616	47.1577	9.432
56 2-Hexanone		43	6.993	6.981 (0.911)		339204	40.1516	8.030
57 Dibromochloromethane		129	7.135	7.135 (0.929)		543084	48.1123	9.622
58 1,2-Dibromoethane		107	7.254	7.254 (0.945)		525155	50.3640	10.073
59 Chlorobenzene		112	7.703	7.703 (1.003)		1699677	50.3130	10.063
60 1,1,1,2-Tetrachloroethane		131		Compound Not Detected.				
61 Ethylbenzene		106	7.798	7.798 (1.015)		802418	47.0353	9.407
62 m + p-Xylene		106	7.904	7.904 (1.029)		2240720	101.977	20.395
M 63 Xylenes (total)		106				3336010	152.754	30.551
64 Xylene-o		106	8.283	8.283 (1.079)		1095290	50.7763	10.155
65 Styrene		104	8.295	8.295 (1.080)		2013469	52.1970	10.439

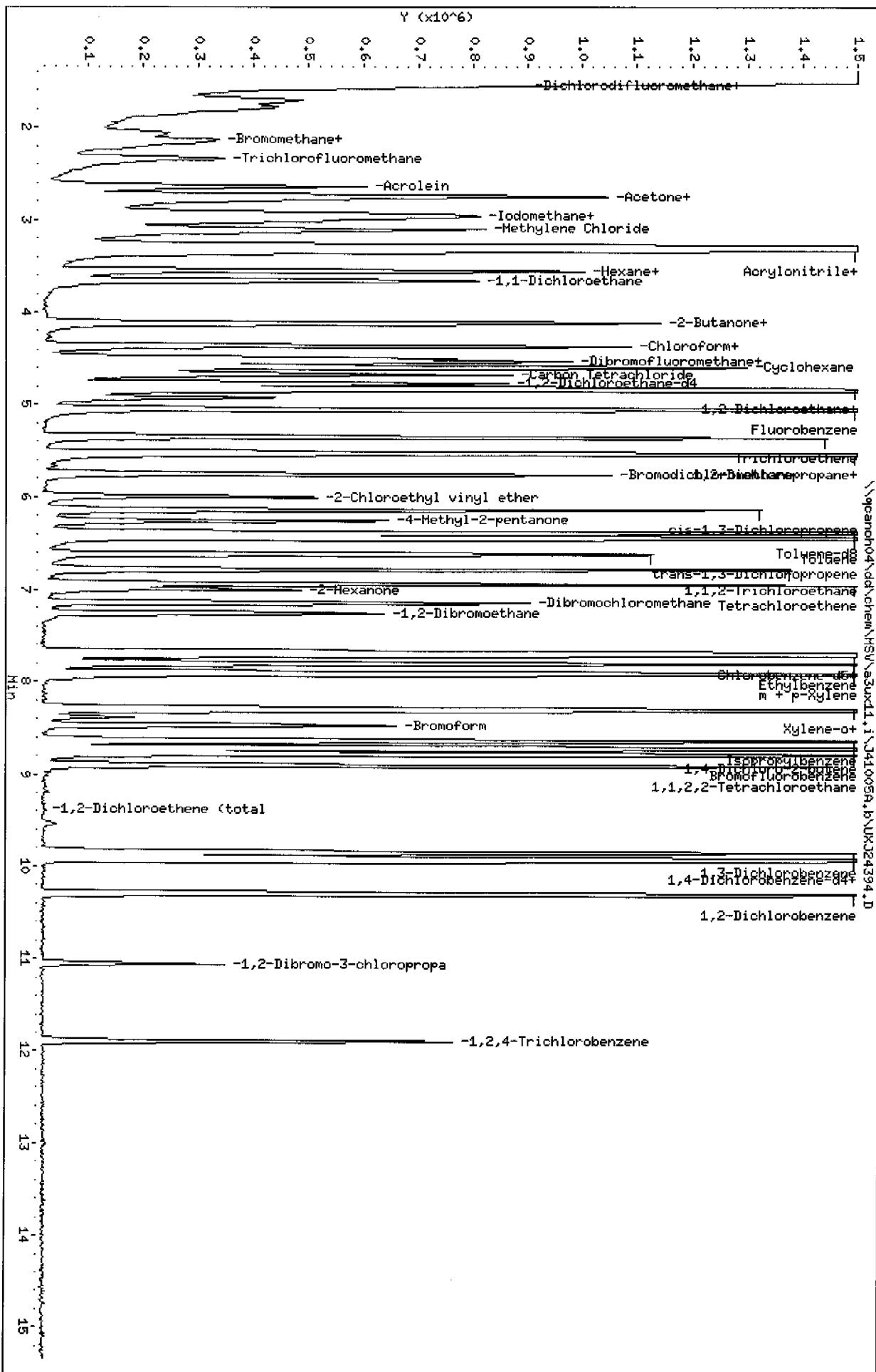
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 Report Date: 06-Oct-2004 10:24

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)
66 Bromoform	====	173	8.472	8.461 (1.103)	382406	49.8404	9.968
67 Isopropylbenzene	=====	105	8.626	8.626 (1.123)	2534114	52.7472	10.549
68 1,1,2,2-Tetrachloroethane	=====	83	8.898	8.898 (0.898)	791800	55.6632	11.133
69 1,4-Dichloro-2-butene	=====	53	8.709	8.958 (0.879)	40411	8.63425	1.727
70 1,2,3-Trichloropropane	=====	110		Compound Not Detected.			
71 Bromobenzene	=====	156		Compound Not Detected.			
72 n-Propylbenzene	=====	120		Compound Not Detected.			
73 2-Chlorotoluene	=====	126		Compound Not Detected.			
74 1,3,5-Trimethylbenzene	=====	105		Compound Not Detected.			
75 4-Chlorotoluene	=====	126		Compound Not Detected.			
76 tert-Butylbenzene	=====	119		Compound Not Detected.			
77 1,2,4-Trimethylbenzene	=====	105		Compound Not Detected.			
78 sec-Butylbenzene	=====	105		Compound Not Detected.			
79 4-Isopropyltoluene	=====	119		Compound Not Detected.			
80 1,3-Dichlorobenzene	=====	146	9.845	9.845 (0.994)	1234121	47.4799	9.496
81 1,4-Dichlorobenzene	=====	146	9.928	9.928 (1.002)	1381199	50.7906	10.158
82 n-Butylbenzene	=====	91		Compound Not Detected.			
83 1,2-Dichlorobenzene	=====	146	10.295	10.295 (1.039)	1187529	46.3862	9.277
84 1,2-Dibromo-3-chloropropane	=====	157	11.052	11.052 (1.116)	84470	35.0669	7.013
85 1,2,4-Trichlorobenzene	=====	180	11.892	11.892 (1.201)	194341	17.8308	3.566
86 Hexachlorobutadiene	=====	225		Compound Not Detected.			
87 Naphthalene	=====	128		Compound Not Detected.			
88 1,2,3-Trichlorobenzene	=====	180		Compound Not Detected.			
98 Cyclohexane	=====	56	4.579	4.579 (0.908)	771950	46.1454	9.229
143 Methyl Acetate	=====	43	3.006	3.006 (0.596)	432993	46.2903	9.258
144 Methylcyclohexane	=====	83	5.526	5.526 (1.096)	575915	41.0254	8.205
141 1,3,5-Trichlorobenzene	=====	180		Compound Not Detected.			

Client ID:
 Sample Info: CHECK
 Purge Volume: 5.0
 Column Phase: DB624

GRT 251AD

Instrument: z30x11.i
 Operator: 43582
 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24394.D
Report Date: 06-Oct-2004 10:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24394.D
Lab Smp Id: grt2j1ad
Inj Date : 05-OCT-2004 09:20
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J41005A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	( ug/L)
* 1 Fluorobenzene	96	5.041	5.041 (1.000)	2279731	50.0000		
* 2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1738676	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	961905	50.0000		
\$ 4 Dibromofluoromethane	113	4.485	4.485 (0.890)	529449	49.8814	9.976	
\$ 5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	717527	49.1615	9.832	
\$ 6 Toluene-d8	98	6.378	6.378 (0.831)	2127453	50.9327	10.186	
\$ 7 Bromofluorobenzene	95	8.780	8.780 (1.143)	999237	56.3024	11.260	
8 Dichlorodifluoromethane	85	1.550	1.550 (0.308)	563068	47.2436	9.449	
9 Chloromethane	50	1.704	1.704 (0.338)	934362	43.9083	8.782	
10 Vinyl Chloride	62	1.787	1.787 (0.355)	653288	44.8803	8.976	
11 Bromomethane	94	2.059	2.059 (0.409)	262234	37.9814	7.596	
12 Chloroethane	64	2.130	2.130 (0.423)	569096	53.1977	10.640	
13 Trichlorofluoromethane	101	2.331	2.331 (0.463)	622004	40.7687	8.154	
15 Acrolein	56	2.639	2.627 (0.524)	874775	614.293	122.86	
16 Acetone	43	2.745	2.745 (0.545)	227919	41.4752	8.295	
17 1,1-Dichloroethene	96	2.734	2.733 (0.542)	529572	51.9437	10.389	
18 Freon-113	151	2.745	2.745 (0.545)	400281	62.3353	12.467	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24394.D
 Report Date: 06-Oct-2004 10:25

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	( ug/L)
19 Iodomethane	====	142	2.911	2.852 (0.578)	19965	1.32491	0.2680
20 Carbon Disulfide	==	76	2.923	2.923 (0.580)	2104820	55.2696	11.054
21 Methylene Chloride	=====	84	3.100	3.100 (0.615)	722593	50.2086	10.042
22 Acetonitrile	=====	41	2.958	2.958 (0.587)	935749	691.600	138.32
23 Acrylonitrile	=====	53	3.278	3.266 (0.650)	2375868	564.680	112.94
24 Methyl tert-butyl ether	=====	73	3.325	3.313 (0.660)	1381847	42.2778	8.456
25 trans-1,2-Dichloroethene	=====	96	3.325	3.325 (0.660)	583473	48.2435	9.649
26 Hexane	=====	86	3.550	3.538 (0.704)	107861	54.9254	10.985
27 Vinyl acetate	=====	43	3.550	3.668 (0.704)	370310	19.1344	3.827
28 1,1-Dichloroethane	=====	63	3.657	3.645 (0.725)	1044387	47.3372	9.467
29 tert-Butyl Alcohol	=====	59	3.006	3.159 (0.596)	35763	40.3321	8.066
30 2-Butanone	=====	43	4.094	4.094 (0.812)	250233	40.0747	8.015
M 31 1,2-Dichloroethene (total)	=====	96			1162406	93.8022	18.760
32 cis-1,2-dichloroethene	=====	96	4.106	4.106 (0.815)	578933	45.5588	9.112
33 2,2-Dichloropropane	=====	77		Compound Not Detected.			
34 Bromochloromethane	=====	128		Compound Not Detected.			
35 Chloroform	=====	83	4.355	4.355 (0.864)	1010976	45.5832	9.117
36 Tetrahydrofuran	=====	42	4.343	4.331 (0.862)	11795	3.55139	0.7103
37 1,1,1-Trichloroethane	=====	97	4.520	4.520 (0.897)	642821	38.3770	7.675
38 1,1-Dichloropropene	=====	75		Compound Not Detected.			
39 Carbon Tetrachloride	=====	117	4.662	4.662 (0.925)	568124	43.1970	8.639
40 1,2-Dichloroethane	=====	62	4.816	4.816 (0.955)	851343	46.9801	9.396
41 Benzene	=====	78	4.828	4.816 (0.958)	2499348	47.6188	9.524
42 Trichloroethene	=====	130	5.349	5.349 (1.061)	540447	45.1171	9.023
43 1,2-Dichloropropane	=====	63	5.526	5.526 (1.096)	619389	47.8386	9.568
44 1,4-Dioxane	=====	88		Compound Not Detected.			
45 Dibromomethane	=====	93		Compound Not Detected.			
46 Bromodichloromethane	=====	83	5.751	5.751 (1.141)	794152	46.6268	9.325
47 2-Chloroethyl vinyl ether	=====	63	5.988	5.988 (1.188)	266340	36.5847	7.317
48 cis-1,3-Dichloropropene	=====	75	6.130	6.130 (1.216)	901217	43.2457	8.649
49 4-Methyl-2-pentanone	=====	43	6.248	6.248 (1.239)	500187	44.6372	8.927
50 Toluene	=====	91	6.437	6.437 (0.838)	2564417	49.3857	9.877
51 trans-1,3-Dichloropropene	=====	75	6.603	6.603 (0.860)	800869	43.0172	8.603
52 Ethyl Methacrylate	=====	69		Compound Not Detected.			
53 1,1,2-Trichloroethane	=====	97	6.780	6.768 (0.883)	544363	51.6829	10.336
54 1,3-Dichloropropane	=====	76		Compound Not Detected.			
55 Tetrachloroethene	=====	164	6.934	6.934 (0.903)	408042	48.5030	9.701
56 2-Hexanone	=====	43	6.993	6.981 (0.911)	366098	43.5417	8.708
57 Dibromochloromethane	=====	129	7.135	7.135 (0.929)	559504	49.8034	9.961
58 1,2-Dibromoethane	=====	107	7.254	7.254 (0.945)	525209	50.6094	10.122
59 Chlorobenzene	=====	112	7.703	7.703 (1.003)	1668241	49.6180	9.924
60 1,1,1,2-Tetrachloroethane	=====	131		Compound Not Detected.			
61 Ethylbenzene	=====	106	7.798	7.798 (1.015)	808133	47.5961	9.519
62 m + p-Xylene	=====	106	7.905	7.904 (1.029)	2237839	102.332	20.466
M 63 Xylenes (total)	=====	106			3299995	151.807	30.361
64 Xylene-o	=====	106	8.283	8.283 (1.079)	1062156	49.4751	9.895
65 Styrene	=====	104	8.295	8.295 (1.080)	1973798	51.4126	10.282

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24394.D
 Report Date: 06-Oct-2004 10:25

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)
66 Bromoform	====	173	8.473	8.461 (1.103)	390777	51.1743	10.235
67 Isopropylbenzene	=====	105	8.626	8.626 (1.123)	2518467	52.6715	10.534
68 1,1,2,2-Tetrachloroethane	=====	83	8.899	8.898 (0.898)	845029	58.2780	11.656
69 1,4-Dichloro-2-butene	=====	53	8.709	8.958 (0.879)	50678	10.6225	2.124
70 1,2,3-Trichloropropane	=====	110		Compound Not Detected.			
71 Bromobenzene	=====	156		Compound Not Detected.			
72 n-Propylbenzene	=====	120		Compound Not Detected.			
73 2-Chlorotoluene	=====	126		Compound Not Detected.			
74 1,3,5-Trimethylbenzene	=====	105		Compound Not Detected.			
75 4-Chlorotoluene	=====	126		Compound Not Detected.			
76 tert-Butylbenzene	=====	119		Compound Not Detected.			
77 1,2,4-Trimethylbenzene	=====	105		Compound Not Detected.			
78 sec-Butylbenzene	=====	105		Compound Not Detected.			
79 4-Isopropyltoluene	=====	119		Compound Not Detected.			
80 1,3-Dichlorobenzene	=====	146	9.845	9.845 (0.994)	1253625	47.3152	9.463
81 1,4-Dichlorobenzene	=====	146	9.928	9.928 (1.002)	1417014	51.1189	10.224
82 n-Butylbenzene	=====	91		Compound Not Detected.			
83 1,2-Dichlorobenzene	=====	146	10.295	10.295 (1.039)	1259002	48.2450	9.649
84 1,2-Dibromo-3-chloropropane	=====	157	11.052	11.052 (1.116)	104235	42.4512	8.490
85 1,2,4-Trichlorobenzene	=====	180	11.892	11.892 (1.201)	280363	25.2352	5.047
86 Hexachlorobutadiene	=====	225		Compound Not Detected.			
87 Naphthalene	=====	128		Compound Not Detected.			
88 1,2,3-Trichlorobenzene	=====	180		Compound Not Detected.			
98 Cyclohexane	=====	56	4.580	4.579 (0.908)	782143	46.6352	9.327
143 Methyl Acetate	=====	43	3.006	3.006 (0.596)	455014	48.5202	9.704
144 Methylcyclohexane	=====	83	5.526	5.526 (1.096)	612771	43.5393	8.708
141 1,3,5-Trichlorobenzene	=====	180		Compound Not Detected.			

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 4I29236
MB Lot-Sample #: A4J050000-319
Analysis Date...: 10/05/04
Dilution Factor: 1

Work Order #....: GRT2J1AA
Prep Date.....: 10/05/04
Prep Batch #....: 4279319
Initial Wgt/Vol: 5 mL

Matrix.....: WATER

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DECP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT**GC/MS Volatiles****Client Lot #....: 4I29236****Work Order #....: GRT2J1AA****Matrix.....: WATER**

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B
SURROGATE	PERCENT		RECOVERY	
	RECOVERY	LIMITS		
Dibromofluoromethane	109	(73 - 122)		
1,2-Dichloroethane-d4	105	(61 - 128)		
Toluene-d8	94	(76 - 110)		
4-Bromofluorobenzene	84	(74 - 116)		

NOTE(S) :

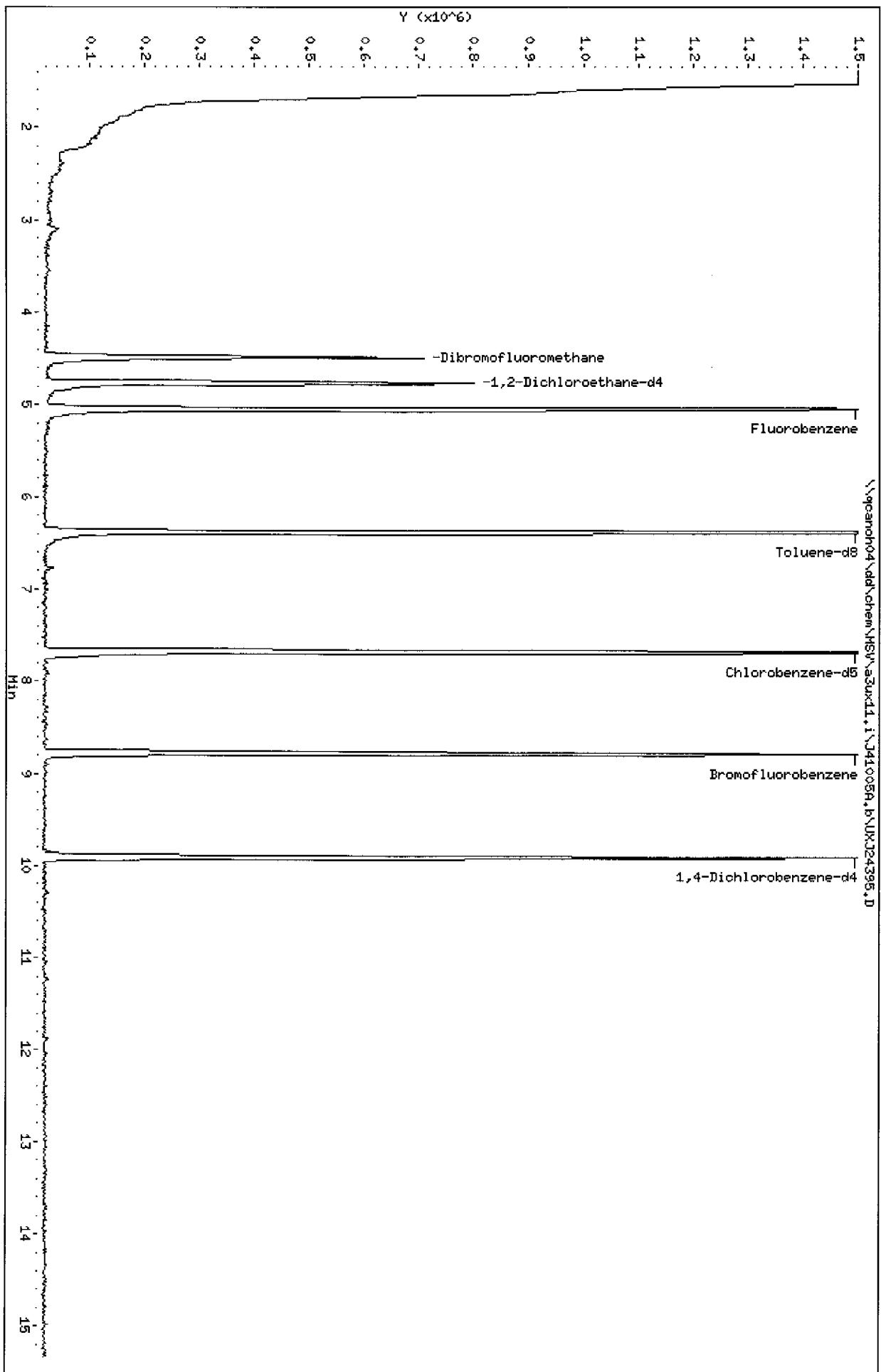
Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanno04\\dd\\chem\\NSV\\a3ux11.i\\J41005A.b\\UXJ24395.D
Date : 05-OCT-2004 09:43
Client ID:
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624

GRT2J/AA

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

\\qcanno04\\dd\\chem\\NSV\\a3ux11.i\\J41005A.b\\UXJ24395.D



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24395.D
Report Date: 06-Oct-2004 10:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J41005A.b\UXJ24395.D
Lab Smp Id: grt2jlaa
Inj Date : 05-OCT-2004 09:43
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J41005A,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J41005A.b\8260LLUX11.m
Meth Date : 06-Oct-2004 10:23 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	( ug/L)
* 1 Fluorobenzene	96	5.041	5.041 (1.000)	2035416	50.0000		
* 2 Chlorobenzene-d5	117	7.680	7.668 (1.000)	1569404	50.0000		
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904 (1.000)	658786	50.0000		
\$ 4 Dibromofluoromethane	113	4.485	4.485 (0.890)	517481	54.6058	10.921	
\$ 5 1,2-Dichloroethane-d4	65	4.757	4.757 (0.944)	686363	52.6709	10.534	
\$ 6 Toluene-d8	98	6.378	6.378 (0.831)	1768000	46.8924	9.378	
\$ 7 Bromofluorobenzene	95	8.780	8.780 (1.143)	668898	41.7544	8.351	
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
19 Iodomethane		142				Compound Not Detected.	
20 Carbon Disulfide		76				Compound Not Detected.	
21 Methylene Chloride		84				Compound Not Detected.	
22 Acetonitrile		41				Compound Not Detected.	
23 Acrylonitrile		53				Compound Not Detected.	
24 Methyl tert-butyl ether		73				Compound Not Detected.	
25 trans-1,2-Dichloroethene		96				Compound Not Detected.	
26 Hexane		86				Compound Not Detected.	
27 Vinyl acetate		43				Compound Not Detected.	
28 1,1-Dichloroethane		63				Compound Not Detected.	
29 tert-Butyl Alcohol		59				Compound Not Detected.	
30 2-Butanone		43				Compound Not Detected.	
M 31 1,2-Dichloroethene (total)		96				Compound Not Detected.	
32 cis-1,2-dichloroethene		96				Compound Not Detected.	
33 2,2-Dichloropropane		77				Compound Not Detected.	
34 Bromochloromethane		128				Compound Not Detected.	
35 Chloroform		83				Compound Not Detected.	
36 Tetrahydrofuran		42				Compound Not Detected.	
37 1,1,1-Trichloroethane		97				Compound Not Detected.	
38 1,1-Dichloropropene		75				Compound Not Detected.	
39 Carbon Tetrachloride		117				Compound Not Detected.	
40 1,2-Dichloroethane		62				Compound Not Detected.	
41 Benzene		78				Compound Not Detected.	
42 Trichloroethene		130				Compound Not Detected.	
43 1,2-Dichloropropane		63				Compound Not Detected.	
44 1,4-Dioxane		88				Compound Not Detected.	
45 Dibromomethane		93				Compound Not Detected.	
46 Bromodichloromethane		83				Compound Not Detected.	
47 2-Chloroethyl vinyl ether		63				Compound Not Detected.	
48 cis-1,3-Dichloropropene		75				Compound Not Detected.	
49 4-Methyl-2-pentanone		43				Compound Not Detected.	
50 Toluene		91				Compound Not Detected.	
51 trans-1,3-Dichloropropene		75				Compound Not Detected.	
52 Ethyl Methacrylate		69				Compound Not Detected.	
53 1,1,2-Trichloroethane		97				Compound Not Detected.	
54 1,3-Dichloropropane		76				Compound Not Detected.	
55 Tetrachloroethene		164				Compound Not Detected.	
56 2-Hexanone		43				Compound Not Detected.	
57 Dibromochloromethane		129				Compound Not Detected.	
58 1,2-Dibromoethane		107				Compound Not Detected.	
59 Chlorobenzene		112				Compound Not Detected.	
60 1,1,1,2-Tetrachloroethane		131				Compound Not Detected.	
61 Ethylbenzene		106				Compound Not Detected.	
62 m + p-Xylene		106				Compound Not Detected.	
M 63 Xylenes (total)		106				Compound Not Detected.	
64 Xylene-o		106				Compound Not Detected.	
65 Styrene		104				Compound Not Detected.	

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng) FINAL (ug/L)
66 Bromoform		173				Compound Not Detected.	
67 Isopropylbenzene		105				Compound Not Detected.	
68 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
69 1,4-Dichloro-2-butene		53				Compound Not Detected.	
70 1,2,3-Trichloropropane		110				Compound Not Detected.	
71 Bromobenzene		156				Compound Not Detected.	
72 n-Propylbenzene		120				Compound Not Detected.	
73 2-Chlorotoluene		126				Compound Not Detected.	
74 1,3,5-Trimethylbenzene		105				Compound Not Detected.	
75 4-Chlorotoluene		126				Compound Not Detected.	
76 tert-Butylbenzene		119				Compound Not Detected.	
77 1,2,4-Trimethylbenzene		105				Compound Not Detected.	
78 sec-Butylbenzene		105				Compound Not Detected.	
79 4-Isopropyltoluene		119				Compound Not Detected.	
80 1,3-Dichlorobenzene		146				Compound Not Detected.	
81 1,4-Dichlorobenzene		146				Compound Not Detected.	
82 n-Butylbenzene		91				Compound Not Detected.	
83 1,2-Dichlorobenzene		146				Compound Not Detected.	
84 1,2-Dibromo-3-chloropropane		157				Compound Not Detected.	
85 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
86 Hexachlorobutadiene		225				Compound Not Detected.	
87 Naphthalene		128				Compound Not Detected.	
88 1,2,3-Trichlorobenzene		180				Compound Not Detected.	
14 Dichlorofluoromethane		67				Compound Not Detected.	
89 Ethyl Ether		59				Compound Not Detected.	
91 3-Chloropropene		76				Compound Not Detected.	
92 Isopropyl Ether		87				Compound Not Detected.	
93 2-Chloro-1,3-butadiene		53				Compound Not Detected.	
94 Propionitrile		54				Compound Not Detected.	
95 Ethyl Acetate		43				Compound Not Detected.	
96 Methacrylonitrile		41				Compound Not Detected.	
97 Isobutanol		41				Compound Not Detected.	
99 n-Butanol		56				Compound Not Detected.	
100 Methyl Methacrylate		41				Compound Not Detected.	
101 2-Nitropropane		41				Compound Not Detected.	
103 Cyclohexanone		55				Compound Not Detected.	
98 Cyclohexane		56				Compound Not Detected.	
143 Methyl Acetate		43				Compound Not Detected.	
144 Methylcyclohexane		83				Compound Not Detected.	
141 1,3,5-Trichlorobenzene		180				Compound Not Detected.	

**SEVERN
TRENT**

STL

MISCELLANEOUS DATA

UX11
Batch #

STL-North Canton
GC/MS VOA Run Log

Date: 8/16/07

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold 0 min
IS # V2149 SS #

Analysis
45 C for 2 min
to 200 C @ 20 C/min
to 0 C @ 0 C/min
Hold 3 min

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @ 240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

Sample	Temp	Time	Notes	On/Off
VOL STD	01	200	200	on
VOL STD	02	100	100	on
VOL STD	03	200	200	on
VOL STD	04	200	200	on
VOL STD	05	200	200	on
VOL STD	06	200	200	on
VOL STD	07	200	200	on
VOL STD	08	200	200	on
AG STD	09	200	200	on
AG STD	10	100	100	on
AG STD	11	200	200	on
AG STD	12	200	200	on
AG STD	13	200	200	on
AG STD	14	200	200	on

8/16/07
OK

8/17/07
on

Analyst:
Level 2 review:

UX11
Batch # 4259349

STL-North Canton
GC/MS VOA Run Log

(9/16)

Date: 9/14/04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold 0 min	to 0 C @ 0 C/min	Desorb: 1 min @ 240 C
Flow Rate 0.4ml/min	IS # <u>1/2246</u> ss # <u>1/2247</u>	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No
v bpb	bpb 232	SONY disposed (13:21)	On
✓ 101 STD	UKJ23870	200 KJ v2252,66	On
✓ 101 STD	71	100 KJ 53,55	On
✓ 101 STD	-	72 SONY	540914
✓ 101 STD	73	25 KJ	On
✓ 101 STD	74	10 KJ	On
✓ 101 STD	75	5 KJ	On
✓ ACV	76	SONY v2259	On
✓ Check GP86W	77	1	On
✓ Check Dup	78	1	On
✓ Blank	79	Sme	On
✓ GPMRL/AA	80	0.2pmol	On
✓ GPMRL/AC (S)	81	+SONY	On
✓ GPMML/AD (O)	82	—	On
✓ GPMNL/AA ED	83	Sme	On
✓ GPHTD/AC	84	—	On
✓ GPJWV/AA ED	85	—	On
✓ GPJWV/AA	86	—	On
✓ GPJW3/AA	87	—	On
✓ GPJW4/AA	88	—	On
✓ GPJW5/AA	89	—	On
✓ GPJW6/AA	90	—	On
✓ GPJW7/AA	91	—	On
✓ GPJW8/AA	92	—	On
✓ GPJW9/AA	93	—	On
✓ GPKLE/AA	6m	84	On
✓ GPKLF/AA	85	—	On
✓ GPKML/AA	96	—	On
✓ GPLDJ/AA	m	97	OK
✓ GPLDP/AA	m	98	OK
✓ GPDJ/AA	—	b 99	OK

Analyst: J. J.
Level 2 review: C. M.

29

UX11
Batch # 4279319STL-North Canton
GC/MS VOA Run LogDate: 10/5/04

(1014)

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold 0 min	to 200 C @ 20 C/min	Desorb: 1 min @ 240 C
Flow Rate 0.4ml/min	Hold 3 min	Hold 3 min	Bake: 5 min @ 250 C
IS # V2342	SS # V2343		Heated purge: Yes No

1 BFB	100 C for 0.1 min	45 C for 2 min	Trap: #10
2 WISTD	100 C for 0.1 min	45 C for 2 min	Purge: 11
3 AA STD	100 C for 0.1 min	45 C for 2 min	Desorb: 1 min @ 240 C
4 Check GFT 23	100 C for 0.1 min	45 C for 2 min	Bake: 5 min @ 250 C
5 Blank	100 C for 0.1 min	45 C for 2 min	Heated purge: Yes No
6 GQ70D1AA VAP	100 C for 0.1 min	45 C for 2 min	
7 GQ70F1AA	100 C for 0.1 min	45 C for 2 min	
8 GQ7081AA	100 C for 0.1 min	45 C for 2 min	
9 GQ3AA1AA	100 C for 0.1 min	45 C for 2 min	
10 GG3NG1AM - ED	100 C for 0.1 min	45 C for 2 min	
11 GRKVV1AA - ED	100 C for 0.1 min	45 C for 2 min	
12 GRGL2IAA Rush	100 C for 0.1 min	45 C for 2 min	
13 GRGMH1AA	100 C for 0.1 min	45 C for 2 min	
14 GLHVQ1AA - ED	100 C for 0.1 min	45 C for 2 min	
15 GRG801AA	100 C for 0.1 min	45 C for 2 min	
16 GLD9A1AA	100 C for 0.1 min	45 C for 2 min	
17 GRDF1AA	100 C for 0.1 min	45 C for 2 min	
18 GRO9H1AA	100 C for 0.1 min	45 C for 2 min	
19 GRO9M1AA	100 C for 0.1 min	45 C for 2 min	
20 GRDGV1AM	100 C for 0.1 min	45 C for 2 min	
21 GRD921AA	100 C for 0.1 min	45 C for 2 min	
22 GRD971AA	100 C for 0.1 min	45 C for 2 min	
23 GQ3D61C3 (S)	100 C for 0.1 min	45 C for 2 min	
24 GQ3D61C4 (O)	100 C for 0.1 min	45 C for 2 min	
25 GQ3D91AM	100 C for 0.1 min	45 C for 2 min	
26 GQ3L1AM	100 C for 0.1 min	45 C for 2 min	
27 GQ3LG1AM	100 C for 0.1 min	45 C for 2 min	
28 GQ46H1AA	100 C for 0.1 min	45 C for 2 min	
29 GQ46P1AA	100 C for 0.1 min	45 C for 2 min	
30 GRKVQ2AA +	100 C for 0.1 min	45 C for 2 min	

Analyst: JAN
Level 2 review: SAR

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MSVOC

Lot Summary - A4I290236

CLIENT: 5670 PAYNE FIRM INC.

SDG: 4I29236

Date Received: 9/29/04
 Date Analysis Due: 10/06/04 N
 Date Report Due: 10/12/04
 Turnaround Time: 7

PROJECT MANAGER: Roger K. Toth

SITE: EMD OH

LOT COMMENTS:

QC PACKAGE: Expanded Deliverables

(FC=N)

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SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001-	GRD80-1AA	XX I 25 QK 01	MS8260LL	9/28/04 10:15	10/12/04 Y	DW004/092804	Q: CLP MSVOA TCL Standard List EXP DEL, SDG #4I29236 (CLOSED), 1 WEEK TAT, VOC NEEDS 10X LESSER DILUTION. AP9 Compounds
002-	GRD9A-1AA	XX I 25 QK 01	MS8260LL	9/28/04 10:47	10/12/04 Y	DW003/092804	Q: CLP MSVOA TCL Standard List EXP DEL, SDG #4I29236 (CLOSED), 1 WEEK TAT, VOC NEEDS 10X LESSER DILUTION. AP9 Compounds
003-	GRD9F-1AA	XX I 25 QK 01	MS8260LL	9/28/04 11:35	10/12/04 Y	DW002/092804	Q: CLP MSVOA TCL Standard List EXP DEL, SDG #4I29236 (CLOSED), 1 WEEK TAT, VOC NEEDS 10X LESSER DILUTION. AP9 Compounds
004-	GRD9H-1AA	XX I 25 QK 01	MS8260LL	9/28/04 11:42	10/12/04 Y	DW001/092804	Q: CLP MSVOA TCL Standard List EXP DEL, SDG #4I29236 (CLOSED), 1 WEEK TAT, VOC NEEDS 10X LESSER DILUTION. AP9 Compounds
005-	GRD9M-1AA	XX I 25 QK 01	MS8260LL	9/28/04 9:55	10/12/04 Y	WRPZ05/092804	Q: CLP MSVOA TCL Standard List EXP DEL, SDG #4I29236 (CLOSED), 1 WEEK TAT, VOC NEEDS 10X LESSER DILUTION. AP9 Compounds
006-	GRD9V-1AA	XX I 25 QK 01	MS8260LL	9/28/04 10:25	10/12/04 Y	WRPZ10/092804	Q: CLP MSVOA TCL Standard List EXP DEL, SDG #4I29236 (CLOSED), 1 WEEK TAT, VOC NEEDS 10X LESSER DILUTION. AP9 Compounds
007-	GRD92-1AA	XX I 25 QK 01	MS8260LL	9/28/04 10:41	10/12/04 Y	WRPZ15/092804	Q: CLP MSVOA TCL Standard List EXP DEL, SDG #4I29236 (CLOSED), 1 WEEK TAT, VOC NEEDS 10X LESSER DILUTION. AP9 Compounds
008-	GRD97-1AA	XX I 25 QK 01	MS8260LL	9/28/04 10:56	10/12/04 Y	WRPZ15/092804	Q: CLP MSVOA TCL Standard List EXP DEL, SDG #4I29236 (CLOSED), 1 WEEK TAT, VOC NEEDS 10X LESSER DILUTION. AP9 Compounds

A9

10/08/04 06:17:55 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE ID	LAB	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4I290236	1	GRD801AA	MS8260LL	10/05/04	Laura Evans
A4I290236	2	GRD911AA	MS8260LL	10/05/04	Laura Evans
A4I290236	3	GRD911AA	MS8260LL	10/05/04	Laura Evans
A4I290236	4	GRD911AA	MS8260LL	10/05/04	Laura Evans
A4I290236	5	GRD911AA	MS8260LL	10/05/04	Laura Evans
A4I290236	6	GRD911AA	MS8260LL	10/05/04	Laura Evans
A4I290236	7	GRD911AA	MS8260LL	10/05/04	Laura Evans
A4I290236	8	GRD911AA	MS8260LL	10/05/04	Laura Evans

* * * E N D O F R E P O R T * * *

END OF REPORT